Environment Canada Environnement Canada

Surface Water Data

Alberta

Données sur les eaux de surface

1981

Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1982

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1982

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1981 calendar year, the results of the hydrometric survey investigations which were made in Alberta by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Bag 2909,
Postal Station 'M',
(Room 854,
220–4th Avenue S.E.,)
Calgary, Alberta.
T2P 2M7

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1981, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Alberta.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2909
Succursale postale 'M'
(Pièce 854,
220, Quatrième avenue S.-E.)
Calgary (Alberta)
T2P 2M7

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1981, the hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1981, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Department of Agriculture, Research Branch.

Provincial – Alberta Forest Service;
Department of the Environment, Water Resources Branch, Alberta;
St. Mary-Milk River Development Commission, Alberta.

Municipal – City of Calgary, Alberta.

Private – Western Irrigation District;
Eastern Irrigation District;
United Irrigation District;
Lethbridge Northern Irrigation District;
Northern Transportation Company;
Syncrude Canada Limited;
TransAlta Utilities Corporation;
Canadian Utilities Limited;
North Western Pulp and Power Limited;
St. Mary River Irrigation District.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Direction de la recherche du ministère de l'Agriculture.

Niveau provincial – *Alberta Forest Service*,
Direction des ressources en eau du ministère de l'Environnement de l'Alberta,
St. Mary-Milk River Development Commission, Alberta.

Niveau municipal – Ville de Calgary, Alberta.

Secteur privé – *Western Irrigation District*,
Eastern Irrigation District,
United Irrigation District,
Lethbridge Northern Irrigation District,
Northern Transportation Company,
Syncrude Canada Limited,
TransAlta Utilities Corporation,
Canadian Utilities Limited,
North Western Pulp and Power Limited,
St. Mary River Irrigation District.

CONVERSION FACTORS

The following list of convenient equivalents of measure gives the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 5280 feet
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 640 acres

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 0.160 54 cubic foot
1 imperial gallon equals 4.546 09 L (litres)
1 U.S. gallon equals 0.133 68 cubic foot
1 imperial gallon equals 1.2010 U.S. gallons

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit – 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

FACTEURS DE CONVERSION

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 5280 pieds
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre équivaut à 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 640 acres

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial équivaut à 0.160 54 pied cube
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon américain équivaut à 0.133 68 pied cube
1 gallon impérial équivaut à 1.2010 gallon américain

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit – 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Conversion Factors".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 270 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Facteurs de conversion».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 270 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record to 1976 for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

During the years 1948–1960, some sediment data were collected for several prairie rivers to meet the demands of particular projects and the results included in the 1961 publication. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually, the same as for the Surface Water Data publications but in one volume. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and will continue to be published on an annual basis.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement allant jusqu'en 1976, pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, certaines données sur les sédiments étaient recueillies de divers cours d'eau des Prairies afin de répondre aux besoins de projets particuliers et les résultats paraissaient dans l'édition de 1961. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement, comme c'est le cas pour les données sur les eaux de surface, mais dans un seul tome. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et la publication va paraître chaque année.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new biennial publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates the presence of ice at the gauging station. For gauging stations where discharge data are obtained, this symbol indicates that the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications paraissant tous les deux ans et intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located in appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon (1) the stability of the stage-discharge relationship; or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge and interpretation of records. Because of all the variable factors mentioned above, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data.

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, B and E.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

METRIC CONVERSION

In January 1980, all discharge, water level and sediment data on magnetic tape in the Water Survey of Canada data banks were converted to the International System of Units (SI). All requests for data and publications are now supplied in metric units only. The first documents to be published under the system were the Surface Water Data Reference Index (1979), Surface Water Data Series (1979), Historical Streamflow and Water Levels Summaries (to 1979), Sediment Data for Canadian Rivers (1978), Sediment Data Reference Index (1978), and Historical Sediment Data Summary (to 1978).

Daily discharge and water level data for years prior to 1979 and daily sediment data prior to 1978 in metric units are available on magnetic tape, but not in published form.

MICROFICHE

The historical daily discharge, water level and sediment data which were converted to metric units in January 1980 are also available to users on microfiche cards, upon request. The data are stored in station number order by Region in 1980 (Vancouver, Calgary, Regina, Winnipeg, Guelph, Montreal and Halifax) and therefore data for a particular province may include fiche from two or more Regions. There are 270 frames or printouts per microfiche at 48X reduction; there is also a visible heading showing the fiche number, type of data, Region, the beginning and ending station number and year of data and the month/year that the fiche was created; the last frame is an index of the contents of that fiche.

Daily discharge and water level data for 1979 and subsequent years, and daily sediment data for 1978 and subsequent years are available annually on microfiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur (1) la stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence des mesures de débits, et (2) sur la précision des observations sur les niveaux, des mesures de débits et de l'interprétation des relevés. À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données.

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, B et E.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

CONVERSION AU SYSTÈME MÉTRIQUE

En janvier 1980, toutes les données de l'écoulement, des niveaux d'eau et des sédiments stockées sur ruban magnétique dans les banques de données de la Division des relevés hydrologiques du Canada ont été converties au Système international d'unités (SI). Toutes les demandes de données et de publications sont maintenant remplies selon les unités métriques seulement. Les premiers documents à être publiés selon le système métrique ont été l'*Index de référence des données sur les eaux de surface (1979)*, la série des *Données sur les eaux de surface (1979)*, les *Sommaires chronologiques de l'écoulement et des niveaux d'eau (jusqu'à 1979)*, les *Données sur les sédiments des rivières canadiennes (1978)*, l'*Index de référence des données sur les sédiments (1978)* et le *Sommaire chronologique des données sur les sédiments (jusqu'à 1978)*.

Les données du débit quotidien et des niveaux d'eau pour les années antérieures à 1979 et les données quotidiennes des sédiments avant 1978 en unités métriques sont disponibles sur ruban magnétique, mais ne sont pas publiées.

MICROFICHE

En janvier 1980, les données chronologiques concernant les débits quotidiens, les niveaux d'eau et les sédiments ont été converties en unités métriques. Elles sont également disponibles sur microfiche aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par région en 1980 (Vancouver, Calgary, Regina, Winnipeg, Guelph, Montréal ou Halifax). Les données relatives à une province en particulier peuvent donc inclure des fiches en provenance de deux régions ou plus. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la région, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette, et le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

Les données sur les débits quotidiens et les niveaux d'eau recueillies à partir de 1979 ainsi que les données quotidiennes sur les sédiments dès 1978 sont disponibles sur microfiche chaque année.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	1.10 B	4.79	1.44	0.499	0.385	0.045A	0.083	0.230	---	1
2	---	---	0.005B	1.02 B	4.40	1.17	0.422	0.308	0.050E	0.080	0.245	---	2
3	---	---	0.005B	0.973B	3.53	1.29	0.370	0.253	0.050E	0.080	0.251	---	3
4	---	---	0.005B	0.876B	2.86	1.40	0.294	0.209	0.050E	0.079	---	---	4
5	---	---	0.005B	1.14 B	2.62	1.12	0.255	0.170	0.049E	0.082	---	---	5
6	---	---	0.005B	1.57 B	2.43	1.02	0.232	0.152	0.049E	0.086	---	---	6
7	---	---	0.005B	1.67 B	2.42	1.43	0.325	0.135	0.049E	0.084	---	---	7
8	---	---	0.005B	1.30 B	2.42	1.11	0.416	0.121	0.049E	0.171	---	---	8
9	---	---	0.005B	0.937B	2.33	0.871	0.303	0.109	0.047E	0.318	---	---	9
10	---	---	0.010B	0.698B	2.25	0.757	0.249	0.090	0.047E	0.212	---	---	10
11	---	---	0.030B	0.607B	2.09	0.873	0.212	0.078	0.047E	0.168	---	---	11
12	---	---	0.100B	0.558B	1.95	0.842	0.247	0.071	0.047E	0.158	---	---	12
13	---	---	0.160B	0.538B	1.86	0.805	0.202	0.063A	0.045E	0.164	---	---	13
14	---	---	0.220B	0.453B	1.84	0.935	0.310	0.055E	0.045E	0.222	---	---	14
15	---	---	0.290B	0.630B	1.75	0.949	0.319	0.055E	0.045E	0.293	---	---	15
16	---	---	0.360B	1.30 B	1.60	1.14	0.265	0.055E	0.045E	0.327	---	---	16
17	---	---	0.380B	1.29 B	1.58	3.33	0.204	0.055E	0.043E	0.293	---	---	17
18	---	---	0.370B	1.20 B	1.63	2.89	0.161	0.055E	0.043E	0.244	---	---	18
19	---	---	0.340B	2.14 B	1.60	2.25	0.141	0.040E	0.043E	0.218	---	---	19
20	---	---	0.300B	4.48	1.51	2.20	0.177	0.040E	0.051A	0.200	---	---	20
21	---	---	0.240B	4.71	1.43	2.19	0.323	0.040E	0.161	0.185	---	---	21
22	---	---	0.200B	4.02	1.30	2.17	3.31	0.040E	0.113	0.126	---	---	22
23	---	---	0.180B	4.06	1.30	1.76	4.48	0.040E	0.161	0.156	---	---	23
24	---	---	0.190B	7.99	2.01	1.49	3.13	0.025E	0.142	0.180	---	---	24
25	---	---	0.220B	6.66	1.60	1.16	1.88	0.025E	0.127	0.204	---	---	25
26	---	---	0.320B	4.21	1.36	0.915	1.30	0.025E	0.109	0.286	---	---	26
27	---	---	0.540B	3.38	1.28	0.761	0.984	0.025E	0.101	0.274	---	---	27
28	---	---	0.700B	3.57	1.17	0.676	0.763	0.025E	0.096	0.257	---	---	28
29	---		0.820B	4.23	1.08	0.589	0.648	0.025E	0.092	0.239	---	---	29
30	---		0.910B	3.95	1.01	0.529	0.532	0.025E	0.083	0.191	---	---	30
31	---		0.990B		1.23		0.447	0.025E		0.225		---	31
TOTAL	---	---	7.915	71.260	62.23	40.062	23.400	2.819	2.124	5.885	---	---	TOTAL
MEAN	---	---	0.255	2.38	2.01	1.34	0.755	0.091	0.071	0.190	---	---	MEAN
MAX	---	---	0.990	7.99	4.79	3.33	4.48	0.385	0.161	0.327	---	---	MAX
MIN	---	---	0.005	0.453	1.01	0.529	0.141	0.025	0.043	0.079	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.880
MAXIMUM DAILY, 7.99 ON APR 24
MINIMUM DAILY, 0.005B ON MAR 1
MAXIMUM INSTANTANEOUS,
13.2 AT 19:00 MST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 05 N
LONG 115 20 00 W
DRAINAGE AREA, 138 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 020
FEB	---	AUG	244
MAR	684	SEP	184
APR	6 160	OCT	508
MAY	5 380	NOV	---
JUN	3 460	DEC	---

TOTAL DISCHARGE, 18 600 dam³

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	0.005	0	0	0	0	0	0	0	---	1
2	---	---	0.003B	0.004	0	0	0	0	0	0	0	---	2
3	---	---	0.003B	0.004	0.002	0	0	0	0	0	0A	---	3
4	---	---	0.003B	0.003	0.002	0	0	0	0	0	---	---	4
5	---	---	0.003B	0.004	0.003	0	0	0.009	0	0	---	---	5
6	---	---	0.002B	0.006	0.007	0	0	0	0	0	---	---	6
7	---	---	0.002B	0.005	0.009	0	0	0	0	0	---	---	7
8	---	---	0.001B	0.004	0.009	0	0	0	0	0	---	---	8
9	---	---	0.003B	0.004	0.007	0	0	0	0	0	---	---	9
10	---	---	0.005B	0.003	0.006	0	0	0	0	0	---	---	10
11	---	---	0.007B	0.003	0.006	0	0	0	0	0	---	---	11
12	---	---	0.006B	0.002	0.005	0	0	0	0	0	---	---	12
13	---	---	0.006B	0.001	0.004	0	0	0	0	0	---	---	13
14	---	---	0.007B	0.002	0.003	0.004	0	0	0	0	---	---	14
15	---	---	0.007B	0.002	0.002	0.017	0	0	0	0	---	---	15
16	---	---	0.007B	0.002	0.005	0.025	0	0	0	0	---	---	16
17	---	---	0.008B	0.002	0.007	0.021	0	0	0	0	---	---	17
18	---	---	0.007B	0.002	0.006	0.018	0	0	0	0	---	---	18
19	---	---	0.006B	0.001	0.006	0.016	0	0	0	0	---	---	19
20	---	---	0.005B	0.001	0.006	0.011	0	0	0	0	---	---	20
21	---	---	0.003B	0.002	0.006	0.007	0	0	0	0	---	---	21
22	---	---	0.003B	0.003	0.006	0.005	0	0	0	0	---	---	22
23	---	---	0.004B	0.003	0.006	0.002	0	0	0	0	---	---	23
24	---	---	0.005B	0.003	0.005	0	0	0	0	0	---	---	24
25	---	---	0.004B	0.001	0.005	0	0	0	0	0	---	---	25
26	---	---	0.005B	0.001	0.004	0	0	0	0	0	---	---	26
27	---	---	0.004	0.001	0.003	0	0	0	0	0	---	---	27
28	---	---	0.005	0.001	0	0	0	0	0	0	---	---	28
29	---		0.005	0	0	0	0	0	0	0	---	---	29
30	---		0.005	0	0	0	0.006	0	0	0	---	---	30
31	---		0.004		0		0.001	0		0		---	31
TOTAL	---	---	0.141	0.075	0.130	0.126	0.007	0.009	0	0	---	---	TOTAL
MEAN	---	---	0.005	0.003	0.004	0.004	0	0	0	0	---	---	MEAN
MAX	---	---	0.008	0.006	0.009	0.025	0.006	0.009	0	0	---	---	MAX
MIN	---	---	0.001	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.025 ON JUN 16
MINIMUM DAILY, 0 ON APR 29
MAXIMUM INSTANTANEOUS,
0.026 AT 04:30 MST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 53 54 N
LONG 110 30 30 W
DRAINAGE AREA, 591 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.60
FEB	---	AUG	0.78
MAR	12.2	SEP	0
APR	6.48	OCT	0
MAY	11.2	NOV	---
JUN	10.9	DEC	---

TOTAL DISCHARGE, 42.2 dam³

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.787	0	0	0	0.006	0	0	---	---	1
2	---	---	0 B	0.763	0	0	0	0.004	0	0	---	---	2
3	---	---	0 B	0.685	0	0	0	0.001	0	0	---	---	3
4	---	---	0 B	0.603	0	0	0	0.001	0	0	---	---	4
5	---	---	0 B	0.501	0	0	0	0.002	0	0	---	---	5
6	---	---	0 B	0.480	0	0	0	0.001	0	0	---	---	6
7	---	---	0 B	0.458	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.409	0.016	0	0	0	0	0	---	---	8
9	---	---	0 B	0.362	0.026	0	0	0	0	0	---	---	9
10	---	---	0 B	0.329	0.011	0.132	0	0	0	0	---	---	10
11	---	---	0 B	0.286	0.005	0.097	0	0	0	0	---	---	11
12	---	---	0 B	0.265	0.001	0.044	0	0	0	0	---	---	12
13	---	---	0.242B	0.257	0	0.036	0	0	0	0	---	---	13
14	---	---	2.06 B	0.228	0	0.026	0	0	0	0	---	---	14
15	---	---	4.40 B	0.204	0.359	0.018	0	0	0	0	---	---	15
16	---	---	5.98 B	0.186	0.525	0.011	0	0	0	0	---	---	16
17	---	---	5.54 B	0.148	0.222	0.005	0	0	0	0	---	---	17
18	---	---	3.19 B	0.110	0.088	0.003	0	0	0	0	---	---	18
19	---	---	2.34 B	0.095	0.050	0.001	0	0	0	0	---	---	19
20	---	---	1.57 B	0.098	0.044	0	0	0	0	0	---	---	20
21	---	---	1.12 B	0.078	0.040	0	0	0	0	0	---	---	21
22	---	---	0.680B	0.070	0.034	0	0	0	0	0	---	---	22
23	---	---	0.422B	0.061	0.028	0	0	0	0	0	---	---	23
24	---	---	0.436B	0.040	0.021	0	0	0	0	0	---	---	24
25	---	---	0.470B	0.025	0.014	0	0	0	0	0	---	---	25
26	---	---	0.547	0.011	0.011	0	0	0	0	0	---	---	26
27	---	---	0.568	0.002	0.007	0	0	0	0	0	---	---	27
28	---	---	0.868	0	0.002	0	0	0	0	0	---	---	28
29	---		0.894	0	0	0	0	0	0	0	---	---	29
30	---		0.875	0	0	0	0	0	0	0	---	---	30
31	---		0.868		0		0.002	0		0		---	31
TOTAL	---	---	33.070	7.541	1.504	0.373	0.002	0.015	0	0	---	---	TOTAL
MEAN	---	---	1.07	0.251	0.049	0.012	0	0	0	0	---	---	MEAN
MAX	---	---	5.98	0.787	0.525	0.132	0.002	0.006	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, Q.173
MAXIMUM DAILY, 5.98B ON MAR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.27 AT 00:50 MST ON MAR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 18 35 N
LONG 112 33 10 W
DRAINAGE AREA, 378 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.17
FEB	---	AUG	1.30
MAR	2 860	SEP	0
APR	652	OCT	0
MAY	130	NOV	---
JUN	32.2	DEC	---

TOTAL DISCHARGE, 3 680 dam³

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.710B	6.21B	2.95	0.486	2.01	1.15	0.510	0.157	---	---	1
2	---	---	0.710B	5.69B	2.90	0.439	1.79	1.07	0.449	0.159	---	---	2
3	---	---	0.710B	5.39B	2.75	0.411	1.54	0.985	0.347	0.142	---	---	3
4	---	---	0.720B	5.74B	2.57	0.329	1.32	0.873	0.305	0.096	---	---	4
5	---	---	0.720B	6.20B	2.42	0.286	1.19	0.815	0.352	0.065	---	---	5
6	---	---	0.730B	6.10B	2.32	0.288	1.10	0.807	0.395	0.076	---	---	6
7	---	---	0.730B	6.00B	2.23	0.536	1.22	0.792	0.399	0.097	---	---	7
8	---	---	0.740B	5.80B	2.32	0.628	1.61	0.748	0.347	0.118	---	---	8
9	---	---	0.790B	5.60B	2.43	0.715	1.81	0.683	0.294	0.092	---	---	9
10	---	---	1.03 B	5.40B	2.59	0.705	2.75	0.595	0.244	0.067	---	---	10
11	---	---	1.23 B	5.30B	2.64	0.681	3.45	0.500	0.237	0.063	---	---	11
12	---	---	1.42 B	5.82B	2.59	0.665	4.96	0.426	0.200	0.075	---	---	12
13	---	---	1.72 B	6.12B	2.33	0.617	4.55	0.338	0.163	0.103	---	---	13
14	---	---	1.98 B	6.20B	2.08	0.543	4.35	0.289	0.180	0.096	---	---	14
15	---	---	2.34 B	6 09	1.82	0.432	4.16	1.55	0.180	0.103	---	---	15
16	---	---	2.96 B	5.76	1.66	0.538	3.98	2.06	0.169	0.097	---	---	16
17	---	---	4.77 B	5.05	1.68	1.63	3.70	1.50	0.165	0.079	---	---	17
18	---	---	4.61 B	4.90	1.62	1.48	3.43	1.31	0.173	0.081	---	---	18
19	---	---	3.54 B	4.53	1.60	1.19	3.14	1.16	0.181	0.061	---	---	19
20	---	---	2.58 B	4.25	1.60	1.08	2.79	0.983	0.182	0.049	---	---	20
21	---	---	2.10 B	4.07	1.57	1.05	2.56	0.939	0.160	0.055	---	---	21
22	---	---	1.90 B	3.92	1.43	1.30	2.41	0.882	0.232	0.056	---	---	22
23	---	---	1.80 B	3.76	1.27	1.67	2.22	0.765	0.250	0.109	---	---	23
24	---	---	1.90 B	3.77	1.14	1.92	1.96	0.648	0.280	0.121	---	---	24
25	---	---	2.00 B	4.01	0.974	2.12	1.74	0.562	0.315	0.125	---	---	25
26	---	---	2.29 B	3.72	0.860	2.26	1.58	0.477	0.286	0.120	---	---	26
27	---	---	2.88 B	3.64	0.755	2.47	1.47	0.402	0.222	0.098A	---	---	27
28	---	---	2.82 B	3.50	0.718	2.47	1.36	0.354	0.198	0.090E	---	---	28
29	---		3.54 B	3.30	0.651	2.35	1.24	0.318	0.198	0.080E	---	---	29
30	---		4.96 B	3.16	0.589	2.14	1.23	0.432	0.160	0.075E	---	---	30
31	---		5.79 B		0.553		1.20	0.524		0.070E		---	31
TOTAL	---	---	66.720	149.00	55.610	33.429	73.82	24.937	7.773	2.875	---	---	TOTAL
MEAN	---	---	2.15	4.97	1.79	1.11	2.38	0.804	0.259	0.093	---	---	MEAN
MAX	---	---	5.79	6.21	2.95	2.47	4.96	2.06	0.510	0.159	---	---	MAX
MIN	---	---	0.710	3.16	0.553	0.286	1.10	0.289	0.160	0.049	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.69
MAXIMUM DAILY, 6.21B ON APR 1
MINIMUM DAILY, 0.049 ON OCT 20
MAXIMUM INSTANTANEOUS,
6.86B AT 02:00 MST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 20 N
LONG 112 01 00 W
DRAINAGE AREA, 2 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 380
FEB	---	AUG	2 150
MAR	5 760	SEP	672
APR	12 900	OCT	248
MAY	4 800	NOV	---
JUN	2 890	DEC	---

TOTAL DISCHARGE, 35 800 dam³

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.056	0.093E	0.094	0.076	0.101	0.107	5.25	---	1
2	---	---	---	---	0.059	0.091A	0.075	0.077	0.102	0.105	5.40	---	2
3	---	---	---	---	0.058	0.246	0.064	0.080	0.097	0.217	5.01	---	3
4	---	---	---	---	0.055	0.094	0.060	0.079	0.096	1.60	3.48	---	4
5	---	---	---	---	0.051	0.088	0.060	0.080	0.097	1.50	1.26	---	5
6	---	---	---	---	0.081	0.082	0.059	0.085	0.095	0.120	0.124	---	6
7	---	---	---	---	0.102	0.080	0.058	0.322	0.095	0.812	0.009	---	7
8	---	---	---	---	0.090	0.079	0.056	0.826	0.097	2.14	0.008A	---	8
9	---	---	---	---	0.071	0.079	0.055	0.103	0.095	2.11	0.007E	---	9
10	---	---	---	---	0.080	0.080	0.060	0.093	0.095	2.06	0.006E	---	10
11	---	---	---	---	0.087	0.116	0.061	0.104	0.095	2.03	0.006E	---	11
12	---	---	---	---	0.095	0.151	0.060	0.305	0.096	1.97	0.005E	---	12
13	---	---	---	---	1.31	0.165	0.063	0.104	0.098	1.30	0.005E	---	13
14	---	---	---	---	0.103	0.191	0.064	0.110	0.096	0.188	0.004E	---	14
15	---	---	---	---	0.094	0.162	0.071	0.101	0.098	0.191	0.003E	---	15
16	---	---	---	---	0.036A	0.112	0.680	0.098	0.101	0.209	0.002A	---	16
17	---	---	---	---	0.536E	0.064	0.096	0.137	0.101	0.141	0.002E	---	17
18	---	---	---	---	0.543E	0.150	0.163	0.159	0.102	0.122	0.001E	---	18
19	---	---	---	---	0.543E	0.097	0.069	0.168	0.104	0.122	0.001E	---	19
20	---	---	---	---	0.543E	0.068	0.068	0.188	0.101	0.119	0.001E	---	20
21	---	---	---	0.001A	0.543E	0.069	0.082	0.380	0.100	0.109	0.001E	---	21
22	---	---	---	0.001	0.543E	0.068	0.076	0.345	0.100	0.106	0.001E	---	22
23	---	---	---	0	0.543E	0.072	0.072	0.399	0.097	0.104	0.001E	---	23
24	---	---	---	0.007	0.543E	0.069	0.074	0.369	0.100	0.106	0.001E	---	24
25	---	---	---	0.010	0.543E	0.066	0.072	0.206	0.104	0.107	0.001E	---	25
26	---	---	---	0.008	0.306E	0.069	0.071	0.187	0.103	0.104	0.001E	---	26
27	---	---	---	0.007	0.099E	0.070	0.070	0.130	0.102	1.19	0.001E	---	27
28	---	---	---	0.009	0.094E	0.074	0.078	0.112	0.104	3.83	0.001E	---	28
29	---		---	0.026	0.094E	0.068	0.082	0.106	0.104	4.66	0.001E	---	29
30	---		---	0.042	0.093E	0.066	0.081	0.106	0.233	4.88	0.001E	---	30
31	---		---		0.093E		0.076	0.100		5.38		---	31
TOTAL	---	---	---	---	8.487	2.979	2.830	5.735	3.109	37.739	20.594	---	TOTAL
MEAN	---	---	---	---	0.274	0.099	0.091	0.185	0.104	1.22	0.686	---	MEAN
MAX	---	---	---	---	1.31	0.246	0.640	0.826	0.233	5.38	5.40	---	MAX
MIN	---	---	---	---	0.051	0.064	0.055	0.076	0.095	0.104	0.001	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.331
MAXIMUM DAILY, 5.38 ON OCT 31
MINIMUM DAILY, 0.051 ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 20 N
LONG 112 09 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	245
FEB	---	AUG	496
MAR	---	SEP	269
APR	---	OCT	3 260
MAY	733	NOV	1 780
JUN	257	DEC	---

TOTAL DISCHARGE, 5 260 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

ATHABASCA RIVER ABOVE FLETCHER CHANNEL - STATION NO. 07DD010

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	210.382	210.013	210.534	209.550	209.126	---	---	1
2	---	---	---	---	---	210.434	209.955	210.513	209.532	209.059	---	---	2
3	---	---	---	---	---	210.501	209.888	210.452	209.547	---	---	---	3
4	---	---	---	---	---	210.501	209.821	210.428	209.587	---	---	---	4
5	---	---	---	---	---	210.443	209.827	210.449	209.584	---	---	---	5
6	---	---	---	---	---	210.480	209.870	210.510	209.547	---	---	---	6
7	---	---	---	---	---	210.559	209.879	210.538	209.547	---	---	---	7
8	---	---	---	---	---	210.519	209.907	210.522	209.489	---	---	---	8
9	---	---	---	---	---	210.492	209.843	210.470	209.462	---	---	---	9
10	---	---	---	---	---	210.489	209.897	210.397	209.401	---	---	---	10
11	---	---	---	---	---	210.513	210.004	210.324	209.395	---	---	---	11
12	---	---	---	---	---	210.556	210.150	210.242	209.373	---	---	---	12
13	---	---	---	---	---	210.565	210.294	210.172	209.364	---	---	---	13
14	---	---	---	---	---	210.495	210.370	210.071	209.352	---	---	---	14
15	---	---	---	---	---	210.422	210.336	210.004	209.334	---	---	---	15
16	---	---	---	---	---	210.346	210.275	209.958	209.276	---	---	---	16
17	---	---	---	---	---	210.269	210.208	209.934	209.276	---	---	---	17
18	---	---	---	---	---	210.193	210.169	209.922	209.324	---	---	---	18
19	---	---	---	---	---	210.175	210.138	209.888	209.373	---	---	---	19
20	---	---	---	---	---	210.169	210.050	209.846	209.291	---	---	---	20
21	---	---	---	---	---	210.157	210.007	209.849	209.239	---	---	---	21
22	---	---	---	---	---	210.144	210.010	209.846	209.224	---	---	---	22
23	---	---	---	---	---	210.163	210.138	209.818	209.184	---	---	---	23
24	---	---	---	---	---	210.196	210.199	209.803	209.114	---	---	---	24
25	---	---	---	---	209.952	210.208	210.208	209.779	209.090	---	---	---	25
26	---	---	---	---	209.946	210.221	210.190	209.736	209.111	---	---	---	26
27	---	---	---	---	210.022	210.184	210.211	209.678	209.148	---	---	---	27
28	---	---	---	---	209.986	210.141	210.349	209.669	209.163	---	---	---	28
29	---		---	---	210.120	210.117	210.480	209.693	209.160	---	---	---	29
30	---		---	---	210.342	210.065	210.525	209.648	209.175	---	---	---	30
31	---		---		210.388		210.541	209.574		---		---	31
MEAN	---	---	---	---	---	210.337	210.121	210.073	209.340	---	---	---	MEAN
MAX	---	---	---	---	---	210.565	210.541	210.538	209.587	---	---	---	MAX
MIN	---	---	---	---	---	210.065	209.821	209.574	209.090	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 27 00 N
LONG 111 04 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ATHABASCA RIVER ABOVE JACKFISH CREEK - STATION NO. 07DD007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	209.387	209.232	209.219	209.503	210.727	210.018	209.731	210.096	209.325	208.948	208.668	208.800	1
2	209.374	209.237	209.237	209.531	---	210.048	209.687	210.078	209.341	208.920	208.767	208.767	2
3	209.351	209.253	209.257	209.550	---	210.101	209.648	210.051	209.314	208.866	208.879	208.737	3
4	209.317	209.263	209.275	209.571	210.366	210.118	209.610	210.033	209.358	208.849	208.965	208.706	4
5	209.288	209.272	209.286	209.602	210.196	210.091	209.599	210.047	209.356	208.858	208.970	208.683	5
6	209.277	209.271	209.292	209.634	210.092	210.115	209.650	210.088	209.360	208.864	208.956	208.676	6
7	209.277	---	209.295	209.674	210.017	210.194	209.657	210.101	209.337	209.015	208.972	208.663	7
8	209.276	---	209.289	209.741	209.932	210.227	209.714	210.103	209.298	209.042	208.982	208.645	8
9	209.291	---	209.285	209.831	209.862	210.237	209.620	210.075	209.267	208.926	208.891	208.629	9
10	209.325	---	209.273	209.930	209.799	210.259	209.643	210.034	209.222	208.847	208.881	208.623	10
11	209.363	---	209.261	210.025	209.740	210.251	209.711	209.982	209.212	208.789	208.890	208.624	11
12	209.392	---	209.261	210.119	209.706	210.240	209.826	209.926	209.198	208.787	208.881	208.656	12
13	209.407	---	209.267	210.197	209.692	210.197	209.920	209.868	209.181	208.803	208.904	208.701	13
14	209.401	---	209.275	210.196	209.676	210.140	210.000	209.768	209.173	208.805	208.940	208.735	14
15	209.372	---	209.273	210.111	209.634	210.068	209.986	209.722	209.168	208.786	208.925	208.754	15
16	209.350	---	209.271	210.033	209.612	210.006	209.917	209.669	209.110	208.796	208.892	208.753	16
17	209.338	---	209.269	209.999	209.662	209.931	209.864	209.639	209.117	208.815	208.871	208.742	17
18	209.325	209.221	209.278	209.981	209.723	209.855	209.852	209.644	209.142	208.776	208.852	208.739	18
19	209.313	209.201	209.286	209.937	209.743	209.834	209.843	209.621	209.213	208.855	208.855	208.762	19
20	209.310	209.189	209.290	209.864	209.729	209.819	209.762	209.574	209.149	208.785	208.870	208.773	20
21	209.311	209.179	209.294	209.850	209.721	209.782	209.724	209.561	209.085	208.751	208.871	208.786	21
22	209.316	209.178	209.295	209.986	209.726	209.775	209.717	209.573	209.065	208.736	208.888	208.803	22
23	209.305	209.178	209.309	210.107	209.675	209.792	209.823	209.551	209.053	208.737	208.911	208.821	23
24	209.295	209.176	209.335	210.196	209.680	209.813	209.850	209.541	208.971	208.743	208.924	208.834	24
25	209.283	209.174	209.366	210.255	209.696	209.817	209.854	209.538	208.959	208.731	208.901	208.849	25
26	209.270	209.174	209.392	210.305	209.693	209.846	209.846	209.503	208.982	208.714	208.866	208.864	26
27	209.262	209.181	209.394	210.382	209.785	209.812	209.852	209.456	209.001	208.605	208.839	208.867	27
28	209.253	209.198	209.392	210.477	209.730	209.798	209.949	209.419	208.999	208.548	208.826	208.862	28
29	209.242		209.401	210.611	209.803	209.787	210.053	209.466	209.004	208.523	208.826	208.860	29
30	209.237		209.421	210.669	209.974	209.765	210.078	209.452	209.017	208.546	208.821	208.855	30
31	209.234		209.460		210.038		210.098	209.393		208.605		208.850	31
MEAN	209.314	---	209.306	209.996	---	209.991	209.809	209.760	209.166	208.786	208.883	208.755	MEAN
MAX	209.407	---	209.460	210.669	---	210.259	210.098	210.103	209.360	209.042	208.982	208.867	MAX
MIN	209.234	---	209.219	209.503	---	209.765	209.599	209.393	208.959	208.523	208.668	208.623	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 208.523 ON OCT 29

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 25 00 N
LONG 110 55 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	140B	125 B	119B	279B	401	964	539	1 050	478	232	171	66.7B	1
2	148B	120 B	117B	314B	382	973	528	1 100	451	222	171	70.0B	2
3	163B	114 B	113B	338B	369	1 240	503	1 130	453	217	168	70.5B	3
4	173B	115 B	115B	380B	367	1 230	507	1 040	427	211	170	79.4B	4
5	172B	115 B	120B	424B	363	1 220	525	978	405	206	166	77.0B	5
6	166B	116 B	119B	427B	370	1 220	532	901	411	198	178	76.0B	6
7	155B	116 B	116B	419B	382	1 140	583	829	404	205	194	76.3B	7
8	146B	114 B	114B	463A	366	1 030	710	769	389	212	201	74.0B	8
9	139B	106 B	114B	447	353	932	731	721	386	211	195	72.0B	9
10	136B	104 B	117B	408	360	862	689	683	380	208	182	70.5B	10
11	132B	104 B	117B	387	416	793	638	661	363	202	172	73.3B	11
12	132B	101 B	116B	313	495	718	574	651	353	196	166	69.5B	12
13	134B	99.7B	113B	239	560	668	508	630	360	193	169	65.8B	13
14	134B	98.6B	113B	288	585	661	458	612	375	192	164	63.1B	14
15	132B	98.6B	118B	291	550	685	440	601	359	190	160	62.7B	15
16	130B	98.0B	123B	288	517	697	457	610	332	186	161	60.2B	16
17	128B	96.8B	133B	270	496	700	492	614	315	181	159	55.6B	17
18	125B	97.4B	138B	263	490	717	574	589	297	178	157	55.6B	18
19	124B	101 B	142B	278	506	737	656	569	281	175	155	58.4B	19
20	123B	105 B	145B	282	531	742	664	564	274	172	169	59.3B	20
21	121B	110 B	152B	282	523	728	643	552	300	171	158	58.5B	21
22	119B	115 B	163B	312	544	691	673	531	317	170	142	63.3B	22
23	117B	116 B	185B	326	589	651	791	519	330	168	117	65.0B	23
24	115B	118 B	193B	346	670	628	944	520	355	161	109	67.5B	24
25	117B	121 B	189B	370	852	609	1 060	512	328	165	107	64.9B	25
26	123B	121 B	184B	401	1 010	579	1 090	480	296	162	107	67.0B	26
27	124B	121 B	176B	431	1 030	543	1 070	454	278	158	97.6	69.2B	27
28	127B	121 B	176B	442	1 020	516	1 060	450	263	161	70.2B	70.9B	28
29	129B		184B	435	1 080	495	988	460	246	160	66.3B	70.0B	29
30	129B		197B	420	1 190	504	921	480	238	163	62.5B	69.0B	30
31	128B		224B		1 100		948	495		166		68.0B	31
TOTAL	4 181	3 088.1	4 445	10 563	18 467	23 873	21 494	20 755	10 444	5 792	4 464.6	2 089.2	TOTAL
MEAN	135	110	143	352	596	796	693	670	348	187	149	67.4	MEAN
MAX	173	125	224	463	1 190	1 240	1 090	1 130	478	232	201	79.4	MAX
MIN	115	96.8	113	239	353	495	440	450	238	158	62.5	55.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 355
MAXIMUM DAILY, 1 240 ON JUN 3
MINIMUM DAILY, 55.6B ON DEC 17
MAXIMUM INSTANTANEOUS,
1 270 AT 13:05 MST ON JUN 3

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 20 N
LONG 113 17 10 W
DRAINAGE AREA, 74 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	361 000	JUL	1 860 000
FEB	267 000	AUG	1 790 000
MAR	384 000	SEP	902 000
APR	913 000	OCT	500 000
MAY	1 600 000	NOV	386 000
JUN	2 060 000	DEC	181 000

TOTAL DISCHARGE, 11 200 000 dam³

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	455E	1 270	931	1 250	607	452	---	---	1
2	---	---	---	---	460E	1 270E	893	1 190	606	433	---	---	2
3	---	---	---	---	448E	1 250E	866	1 130	619	419	---	---	3
4	---	---	---	---	438E	1 180E	850	1 150	633	410E	---	---	4
5	---	---	---	---	430E	1 180E	854	1 220	635	400E	---	---	5
6	---	---	---	---	420E	1 240E	875E	1 280	618	395E	---	---	6
7	---	---	---	---	408E	1 380E	860E	1 270	602	388E	---	---	7
8	---	---	---	---	420E	1 480E	845E	1 210	598	381E	---	---	8
9	---	---	---	---	415E	1 500E	860E	1 140	577	385E	---	---	9
10	---	---	---	---	415E	1 480E	870E	1 070	560	390E	---	---	10
11	---	---	---	---	440E	1 430	900E	1 000	557	397E	---	---	11
12	---	---	---	---	490E	1 350	960E	943	549	400E	---	---	12
13	---	---	---	---	530E	1 270	1 010E	892	534	393E	---	---	13
14	---	---	---	---	580E	1 200	1 040E	851	530	388E	---	---	14
15	---	---	---	---	650E	1 140	1 030E	821	523	385E	---	---	15
16	---	---	---	---	680E	1 080	960E	807	507	380E	---	---	16
17	---	---	---	---	695E	1 020	780E	792	498	375E	---	---	17
18	---	---	---	---	680E	996	755E	776	503	373E	---	---	18
19	---	---	---	---	630E	997	765E	761	515	371E	---	---	19
20	---	---	---	---	610E	1 010	824	759	503	369E	---	---	20
21	---	---	---	---	604E	1 010	826	762	484	365E	---	---	21
22	---	---	---	---	608E	1 020	858	757	468	360E	---	---	22
23	---	---	---	---	615E	1 050	940	740	456	355E	---	---	23
24	---	---	---	---	628E	1 070	994	722	440	350B	---	---	24
25	---	---	---	---	655E	1 080	978	715	425	347B	---	---	25
26	---	---	---	---	710E	1 060	971	700	438	344B	---	---	26
27	---	---	---	---	820E	1 030	1 040	684	460	340B	---	---	27
28	---	---	---	---	914	1 010	1 180	676	477	336B	---	---	28
29	---		---	---	1 080	997	1 280	671	496	332B	---	---	29
30	---		---	---	1 230	971	1 300	656	479	328B	---	---	30
31	---		---		1 260		1 280	630		325B		---	31
TOTAL	---	---	---	---	19 418	35 021	29 375	28 025	15 897	11 666	---	---	TOTAL
MEAN	---	---	---	---	626	1 170	948	904	530	376	---	---	MEAN
MAX	---	---	---	---	1 260	1 500	1 300	1 280	635	452	---	---	MAX
MIN	---	---	---	---	408	971	755	630	425	325	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1 500E ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 12 18 N
LONG 111 23 24 W
DRAINAGE AREA, 155 000 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 540 000
FEB	---	AUG	2 420 000
MAR	---	SEP	1 370 000
APR	---	OCT	1 010 000
MAY	1 680 000	NOV	---
JUN	3 030 000	DEC	---

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	60.0B	25.9B	31.2B	33.4	53.0	469	293	498	276	96.8	65.2	37.5B	1
2	50.0B	25.7B	32.2B	33.3	72.7	480	310	456	266	105	79.1	38.7B	2
3	42.0B	25.4B	34.9B	32.8	93.1	507	326	422	275	113	96.8	37.5B	3
4	44.0B	25.1B	35.7B	33.3	83.6	493	377	394	255	107	92.6	36.0B	4
5	46.0B	25.0B	33.1B	32.4	77.1	454	471	375	245	98.2	84.1	34.0B	5
6	48.6B	25.0B	29.8B	31.8	74.9	400	486	366	251	93.4	76.3	32.0B	6
7	49.4B	24.9B	26.9B	32.3	76.7	379	452	362	236	89.1	72.6	30.0B	7
8	49.3B	24.9B	33.1B	32.2	71.8	350	406	371	228	87.3	71.6B	27.0B	8
9	47.7B	24.9B	32.8B	32.3	71.6	313	341	388	237	88.6	66.6B	25.0B	9
10	47.5B	25.0B	32.8B	31.7	76.2	290	290	383	257	88.2	64.3B	22.5B	10
11	45.6B	25.0B	31.9B	30.2	80.2	281	260	381	264	83.6	61.8B	21.0B	11
12	44.3B	25.2B	33.9B	28.5	82.0	284	261	390	235	79.9	57.2B	20.0B	12
13	44.3B	26.0B	34.6B	30.4	86.8	277	283	412	220	77.0	63.7B	19.0B	13
14	43.7B	26.2B	33.9B	31.1	97.5	273	313	414	200	76.1	61.6B	18.0B	14
15	42.9B	26.8B	32.4B	31.1	113	276	389	393	182	75.3	58.4B	17.0B	15
16	41.6B	27.1B	32.7B	33.3	134	291	423	386	176	72.1	56.5B	17.2B	16
17	37.9B	27.5B	33.0B	36.3	141	298	403	387	188	73.0	53.9B	17.5B	17
18	38.2B	27.6B	33.4B	35.8	162	285	395	372	209	75.5	46.8B	19.0B	18
19	37.0B	27.3B	32.2B	36.9	195	254	408	354	226	71.6	35.2B	20.0B	19
20	36.5B	27.1B	31.1B	39.0	241	235	442	348	247	72.7	45.0B	20.0B	20
21	35.5B	26.8B	28.1B	41.8	303	228	480	361	236	69.8	45.5B	20.4B	21
22	33.5B	26.0B	31.0B	42.6	395	222	526	350	190	67.4	45.5B	21.2B	22
23	32.0B	25.7B	32.9B	42.8	473	209	572	325	170	66.5	44.5B	21.7B	23
24	31.0B	25.3B	32.1B	45.7	499	203	567	313	153	67.5	41.1B	22.0B	24
25	29.5B	25.4B	31.6	58.3	507	202	536	320	141	68.3	39.5B	22.1B	25
26	28.0B	26.6B	31.6	63.9	546	213	493	329	131	65.7	28.0B	22.0B	26
27	27.2B	27.0B	32.7	56.5	619	261	450	348	122	67.0	34.0B	21.9B	27
28	26.9B	28.4B	32.9	51.8	575	284	440	345	117	67.2	28.0B	21.6B	28
29	26.6B		32.4	50.1	451	270	476	320	109	67.0	28.0B	21.4B	29
30	26.3B		34.1	49.9	397	259	510	312	107	68.0	28.2B	21.5B	30
31	26.0B		34.0		429		529	308		62.4		21.6B	31
TOTAL	1 219.0	728.8	1 005.0	1 161.5	7 277.2	9 240	12 908	11 483	6 149	2 460.2	1 671.6	746.3	TOTAL
MEAN	39.3	26.0	32.4	38.7	235	308	416	370	205	79.4	55.7	24.1	MEAN
MAX	60.0	28.4	35.7	63.9	619	507	572	498	276	113	96.8	38.7	MAX
MIN	26.0	24.9	26.9	28.5	53.0	202	260	308	107	62.4	28.0	17.0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 154
MAXIMUM DAILY, 619 ON MAY 27
MINIMUM DAILY, 17.0B ON DEC 15
MAXIMUM INSTANTANEOUS,
635 AT 16:10 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 45 N
LONG 117 35 15 W
DRAINAGE AREA, 9 790 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	105 000	JUL	1 120 000
FEB	63 000	AUG	992 000
MAR	86 800	SEP	531 000
APR	100 000	OCT	213 000
MAY	629 000	NOV	144 000
JUN	798 000	DEC	64 500

TOTAL DISCHARGE, 4 850 000 dam³

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	183B	209B	193B	323B	595E	1 330	765E	1 070	574	393	310B	130 B	1
2	178B	211B	194B	327B	595E	1 240	750E	1 070	587	379	315B	120 B	2
3	178B	213B	194B	343B	590E	1 120	765E	1 180	586	369	320B	120 B	3
4	178B	214B	195B	357B	585E	1 140	780E	1 240	567	365	320B	125 B	4
5	181B	214B	196B	397B	580E	1 410	780E	1 260	554	359	315B	125 B	5
6	186B	210B	196B	444B	575E	1 370	775E	1 180	550	353	315B	130 B	6
7	199B	202B	196B	489B	570E	1 380	775E	1 100	521	349	310B	120 B	7
8	211B	198B	194B	526B	570E	1 380	785E	1 020	511	349	310B	115 B	8
9	215B	198B	197B	590B	565E	1 290	790E	941	515	355	335B	110 B	9
10	215B	198B	200B	620B	570E	1 190	800E	884	507	361	350B	108 B	10
11	206B	197B	198B	630B	580E	1 090	815E	840	494	363	360B	105 B	11
12	199B	194B	197B	620B	590E	1 020	825E	798	492	355	360B	105 B	12
13	196B	190B	197B	625B	600E	958	830E	767	486	353	350B	105 B	13
14	193B	184B	201B	635B	610E	894	820E	753	473	350	337B	100 B	14
15	193B	180B	204B	660B	630E	841	810E	741	464	344	293B	100 B	15
16	194B	178B	203B	545B	660E	821	795E	725	473	346	283B	96.0B	16
17	194B	175B	205B	420B	685E	830	785E	710	484	343	280B	94.0B	17
18	197B	173B	203B	460B	725E	846	770E	709	466	341	296B	92.0B	18
19	199B	173B	203B	470B	740E	843	795E	715	448	345	285B	94.0B	19
20	200B	173B	208B	480B	750E	847	820E	703	437	339	288B	95.0B	20
21	200B	172B	218B	485B	760E	874	850E	685	427	336	259B	97.0B	21
22	199B	173B	226B	490B	765E	893	870E	667	410	330	235B	98.0B	22
23	198B	173B	229B	490B	765E	902	823A	661	398	331	231B	100 B	23
24	198B	176B	229B	485B	770E	879	876	649	416	325	217B	100 B	24
25	199B	180B	230B	490E	780E	850	946	632	436	320B	209B	104 B	25
26	198B	184B	242B	505E	812A	832	1 100	626	448	315B	190B	105 B	26
27	198B	188B	264B	530E	994	825E	1 230	628	471	310B	175B	106 B	27
28	197B	191B	287B	575E	1 170	810E	1 260	613	446	305B	165B	108 B	28
29	197B		303B	590E	1 170A	800E	1 240	584	419	300B	150B	108 B	29
30	201B		308B	595E	1 160	785E	1 220	566	404	300B	140B	106 B	30
31	206B		315B		1 230		1 140	563		305B		105 B	31
TOTAL	6 086	5 321	6 825	15 136	22 741	30 290	27 385	25 280	14 464	10 588	8 303	3 326.0	TOTAL
MEAN	196	190	220	505	734	1 010	883	815	482	342	277	107	MEAN
MAX	215	214	315	635	1 230	1 410	1 260	1 260	587	393	360	130	MAX
MIN	178	172	193	323	565	785	750	563	398	300	140	92.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 481
MAXIMUM DAILY, 1 410 ON JUN 5
MINIMUM DAILY, 92.0B ON DEC 18
MAXIMUM INSTANTANEOUS,
1 430 AT 14:20 MST ON JUN 5

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 50 N
LONG 111 24 00 W
DRAINAGE AREA, 133 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	526 000	JUL	2 370 000
FEB	460 000	AUG	2 180 000
MAR	590 000	SEP	1 250 000
APR	1 310 000	OCT	915 000
MAY	1 960 000	NOV	717 000
JUN	2 620 000	DEC	287 000

TOTAL DISCHARGE, 15 200 000 dam³

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.0 B	9.50B	11.5E	13.0 E	28.5E	248	169	262	155	45.8	37.9	15.0E	1
2	23.0 B	10.0 B	12.0E	13.0 E	34.0E	283	180	240	156	61.8	51.2	15.2E	2
3	23.0 B	10.5 B	13.0E	13.0 E	39.4A	274	208	227	133	54.2	44.7	15.3E	3
4	23.5 B	11.0 B	13.5E	13.0 E	38.0E	246	302	218	122	46.4	40.8	15.3E	4
5	24.0 B	11.5 B	14.0E	13.0 E	36.0E	210	325	218	128	42.4	34.7	15.4B	5
6	24.0 B	12.0 B	14.0E	12.5 E	33.3A	205	287	221	119	40.1	32.6	15.2B	6
7	24.0 B	12.0 B	13.5E	12.0 E	30.5	187	249	235	120	39.9	31.3	14.9B	7
8	24.0 B	12.0 B	13.0E	12.0 E	29.7	157	200	258	137	42.0	29.4	14.5B	8
9	23.0 B	12.0 B	12.5E	11.5 E	32.1	141	158	252	163	39.3	28.6	14.1B	9
10	22.0 B	11.5 B	12.0E	11.5 E	34.9	133	139	256	174	37.1	26.8	13.8B	10
11	20.0 B	10.6 B	11.5E	11.5 E	35.5	137	142	268	143	34.4	26.9	13.5B	11
12	19.0 B	10.0 B	11.0E	11.5 E	37.0	131	158	296	136	32.6	28.5	13.3B	12
13	17.0 B	9.50B	11.0E	11.0 E	41.1	128	173	295	119	32.5	30.7	13.2B	13
14	15.4 B	9.00B	11.0E	10.0 E	46.6	128	202	275	105	32.2	27.1	13.3B	14
15	15.5 B	9.00B	11.0E	9.95A	56.9	138	227	275	100	31.5	27.1	13.3B	15
16	16.0 B	9.00B	11.0E	10.5 E	60.0	148	225	281	117	31.9	25.8	13.4B	16
17	17.0 B	9.50B	11.0E	12.0 E	69.0	142	229	265	139	32.4	24.0A	13.6B	17
18	17.0 B	10.0 B	11.5E	12.5 A	84.8	122	246	242	153	31.3	25.3E	13.7B	18
19	17.0 B	10.5 B	11.6E	13.0 E	107	109	287	242	174	30.8	26.5E	13.7B	19
20	16.5 B	11.0 B	11.6E	13.0 E	138	106	304	260	159	29.6	25.0E	13.8B	20
21	15.0 B	12.0 B	11.6E	13.5 E	186	105	302	239	113	27.4	23.5E	13.9B	21
22	13.0 B	12.0 B	11.6E	13.5 E	229	99.5	328	212	93.3	28.0	19.8E	14.0B	22
23	12.0 B	12.5 B	11.6E	14.0 E	249	97.8	317	205	81.8	28.5	19.1E	14.1B	23
24	12.0 B	12.3 B	11.6E	15.0 E	254	99.2	307	216	73.5	28.6	18.7E	14.1B	24
25	12.0 B	11.5 B	11.6A	16.5 E	283	102	297	223	66.5	29.0	18.5E	14.1B	25
26	12.0 B	11.0 B	11.6E	18.5 E	333	135	268	249	60.9	29.9	17.4E	14.0B	26
27	12.0 B	11.0 B	11.6E	20.3 A	319	158	266	248	55.9	29.6	15.2E	13.9B	27
28	11.0 B	11.0 B	11.6E	21.0 A	234	145	307	209	52.7	29.2	14.2E	13.9B	28
29	10.0 B		12.0E	21.5 A	192	137	318	199	49.9	29.8	14.4E	13.8B	29
30	9.00B		12.0E	22.7 A	215	156	311	196	47.2	28.3	14.7E	13.7B	30
31	9.00B		13.0E		246		287	165		27.5		13.6B	31
TOTAL	533.90	303.40	371.0	415.95	3 752.3	4 607.5	7 718	7 447	3 446.7	1 084.0	800.4	436.6	TOTAL
MEAN	17.2	10.8	12.0	13.9	121	154	249	240	115	35.0	26.7	14.1	MEAN
MAX	26.0	12.5	14.0	22.7	333	283	328	296	174	61.8	51.2	15.4	MAX
MIN	9.00	9.00	11.0	9.95	28.5	97.8	139	165	47.2	27.4	14.2	13.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 84.7
MAXIMUM DAILY, 333 ON MAY 26
MINIMUM DAILY, 9.00B ON JAN 30
MAXIMUM INSTANTANEOUS,
348 AT 12:25 MST ON MAY 26

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 33 N
LONG 118 03 25 W
DRAINAGE AREA, 3 890 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	46 100	JUL	667 000
FEB	26 200	AUG	643 000
MAR	32 100	SEP	298 000
APR	35 900	OCT	93 700
MAY	324 000	NOV	69 200
JUN	398 000	DEC	37 700

TOTAL DISCHARGE, 2 670 000 dam³

ATHABASCA RIVER NEAR OLD FORT - STATION NO. 07DD011

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	211.421	211.316	211.821	214.041	212.891	212.065	212.909	---	211.120	211.280	210.790	1
2	---	211.424	211.337	211.853	213.127	212.978	211.986	212.813	---	211.067	211.364	210.743	2
3	---	211.436	211.359	211.885	212.737	213.080	211.934	212.704	---	211.028	211.419	210.704	3
4	---	211.435	211.379	211.924	212.595	213.013	211.895	212.670	211.617	210.988	211.439	210.665	4
5	---	211.440	211.394	211.977	212.495	212.866	211.930	212.793	211.619	210.949	211.409	210.649	5
6	211.501	211.444	211.406	212.037	212.418	212.874	211.966	212.891	211.587	210.930	211.364	210.623	6
7	211.494	211.446	211.406	212.119	212.380	213.161	211.941	212.931	211.531	210.907	211.352	210.615	7
8	211.487	211.445	211.414	212.237	212.327	213.212	211.926	212.852	211.511	210.892	211.160	210.600	8
9	211.496	211.435	211.415	212.387	212.307	213.217	211.938	212.730	211.468	210.878	211.036	210.591	9
10	211.541	211.416	211.415	212.549	212.269	213.209	212.013	212.601	211.413	210.867	211.069	210.593	10
11	211.585	211.395	211.419	212.709	212.254	213.117	212.172	212.469	211.389	210.862	211.026	210.643	11
12	211.600	211.393	211.427	212.868	212.223	212.983	212.394	212.350	211.377	210.858	---	210.741	12
13	211.599	211.394	211.438	212.926	212.185	212.840	212.570	212.253	211.348	210.854	211.129	210.831	13
14	211.575	211.389	211.444	212.829	212.148	212.713	212.586	212.163	211.324	210.861	211.124	210.874	14
15	211.538	211.383	211.442	212.672	212.146	212.598	212.526	212.092	211.314	210.858	210.991	210.888	15
16	211.510	211.355	211.444	212.602	212.159	212.468	212.455	212.047	211.278	210.850	210.869	210.892	16
17	211.490	211.327	211.452	212.587	212.220	212.350	212.351	212.011	211.247	210.825	210.805	210.895	17
18	211.476	211.309	211.463	212.543	212.251	212.272	212.233	211.963	211.241	210.820	210.803	210.928	18
19	211.464	211.291	211.475	212.450	212.249	212.259	212.135	211.924	211.273	210.812	210.837	210.955	19
20	211.462	211.282	211.477	212.348	212.217	212.274	212.072	---	211.267	210.804	210.853	210.963	20
21	211.460	211.282	211.478	212.475	212.164	212.278	212.053	---	211.214	210.794	210.868	210.989	21
22	211.461	211.280	211.480	212.705	212.119	212.275	212.093	---	211.168	210.779	210.932	211.015	22
23	211.468	211.277	211.501	212.849	212.094	212.303	212.235	---	211.132	210.750	210.951	211.040	23
24	211.464	211.274	211.545	213.027	212.111	212.340	212.374	---	211.087	210.708	210.952	211.055	24
25	211.453	211.267	211.584	213.150	212.120	212.361	212.394	---	211.044	210.896	210.890	211.071	25
26	211.447	211.268	211.606	213.267	212.113	212.347	212.363	---	211.044	211.337	210.840	211.081	26
27	211.442	211.277	211.609	---	212.122	212.285	212.434	---	211.097	211.148	210.820	211.084	27
28	211.433	211.294	211.612	---	212.205	212.238	212.666	---	211.137	211.012	210.820	211.077	28
29	211.427		211.638	---	212.475	212.204	212.876	---	211.188	211.018	210.819	211.059	29
30	211.422		211.694	---	212.802	212.143	212.950	---	211.181	211.094	210.818	211.028	30
31	211.419		211.766		212.886		212.945	---		211.174		211.018	31
MEAN	---	211.360	211.479	---	212.386	212.638	212.273	---	---	210.927	---	210.861	MEAN
MAX	---	211.446	211.766	---	214.041	213.217	212.950	---	---	211.337	---	211.084	MAX
MIN	---	211.267	211.316	---	212.094	212.143	211.895	---	---	210.708	---	210.591	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 22 28 N
LONG 111 31 18 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	51.0B	68.7B	114	714	319	716	371	146	---	---	1
2	---	---	52.0B	69.2B	116	719	356	666	333	138	---	---	2
3	---	---	53.7B	71.0B	131	701	373	609	322	139	---	---	3
4	---	---	56.4B	68.1B	157	698	388	556	332	150	---	---	4
5	---	---	58.9B	63.9B	144	659	460	520	309	149	---	---	5
6	---	---	59.1B	63.4B	133	595	552	493	297	138	---	---	6
7	---	---	57.0B	61.0B	137	536	557	473	303	133	---	---	7
8	---	---	55.1B	59.3B	169	507	518	461	282	129	---	---	8
9	---	---	53.5B	59.3B	184	458	469	466	271	129	---	---	9
10	---	---	59.0B	58.7B	209	410	396	477	283	128	---	---	10
11	---	---	60.3B	57.2B	210	385	334	464	304	128	---	---	11
12	---	---	60.0B	54.0B	199	395	302	463	308	124	---	---	12
13	---	---	60.9B	55.1B	184	409	304	468	275	119	---	---	13
14	---	---	62.8B	58.1B	177	396	334	493	260	117	---	---	14
15	---	---	63.4B	63.4B	182	389	382	487	239	115	---	---	15
16	---	---	63.6B	68.9B	200	388	480	462	220	115	---	---	16
17	---	---	64.5B	72.7B	238	401	498	457	211	111	---	---	17
18	---	---	62.5B	77.5B	239	404	469	455	223	109	---	---	18
19	---	---	61.2B	84.5B	256	379	464	441	250	113	---	---	19
20	---	---	59.3B	95.1	289	344	485	424	273	106	---	---	20
21	---	---	57.4B	106	347	317	540	423	299	106	---	---	21
22	---	---	52.7B	116	439	306	619	435	288	104	---	---	22
23	---	---	48.6B	123	601	296	699	417	238	100	---	---	23
24	---	---	55.9B	134	698	281	723	385	215	103	---	---	24
25	---	---	57.9B	137	693	271	698	372	199	105	---	---	25
26	---	---	58.0B	141	693	265	662	380	187	110	---	---	26
27	---	---	58.5B	140	744	272	605	394	175	105	---	---	27
28	---	---	60.9B	131	809	319	556	413	165	105A	---	---	28
29	---		63.7B	122	744	347	611	412	158	105E	---	---	29
30	---		63.5B	115	618	327	731	387	149	106E	---	---	30
31	---		66.9B		585		732	379		106E		---	31
TOTAL	---	---	1 818.2	2 594.1	10 639	12 888	15 616	14 448	7 739	3 691	---	---	TOTAL
MEAN	---	---	58.7	86.5	343	430	504	466	258	119	---	---	MEAN
MAX	---	---	66.9	141	809	719	732	716	371	150	---	---	MAX
MIN	---	---	48.6	54.0	114	265	302	372	149	100	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 809 ON MAY 28

MAXIMUM INSTANTANEOUS,
818 AT 13:50 MST ON MAY 28

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 12 25 N
LONG 116 03 45 W
DRAINAGE AREA, 19 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 350 000
FEB	---	AUG	1 250 000
MAR	157 000	SEP	669 000
APR	224 000	OCT	319 000
MAY	919 000	NOV	---
JUN	1 110 000	DEC	---

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.914	0.291	0.236	0.104	0.177	0.125	0.113	---	---	1
2	---	---	---	0.831	0.277	0.231	0.078	0.138	0.102	0.123	---	---	2
3	---	---	---	0.766	0.262	0.193	0.071	0.152	0.091	0.111	---	---	3
4	---	---	---	0.710	0.263	0.247	0.067	0.130	0.088	0.113	---	---	4
5	---	---	---	0.684	0.276	0.216	0.067	0.090	0.082	0.117	---	---	5
6	---	---	---	0.725	0.295	0.158	0.066	0.097	0.082	0.126	---	---	6
7	---	---	---	0.661	0.329	0.137	0.112	0.091	0.075	0.118	---	---	7
8	---	---	---	0.636	0.292	0.137	0.143	0.092	0.082	0.188	---	---	8
9	---	---	---	0.595	0.281	0.148	0.093	0.121	0.082	0.201	---	---	9
10	---	---	---	0.568	0.271	0.142	0.102	0.093	0.083	0.134	---	---	10
11	---	---	---	0.561	0.265	0.125	0.098	0.109	0.092	0.122	---	---	11
12	---	---	---	0.563	0.261	0.124	0.084	0.094	0.096	0.124	---	---	12
13	---	---	---	0.524	0.233	0.118	0.093	0.092	0.104	0.131	---	---	13
14	---	---	0.481B	0.491	0.227	0.114	0.117	0.081	0.109	0.123	---	---	14
15	---	---	1.04 B	0.488	0.233	0.112	0.284	0.107	0.111	0.125	---	---	15
16	---	---	1.15	0.479	0.240	0.128	0.146	0.114	0.112	0.131	---	---	16
17	---	---	1.24	0.477	0.259	0.146	0.098	0.087	0.116	0.129	---	---	17
18	---	---	1.20	0.495	0.241	0.131	0.099	0.135	0.118	0.118	---	---	18
19	---	---	0.872	0.507	0.212	0.121	0.094	0.134	0.112	0.116	---	---	19
20	---	---	---	0.495	0.250	0.138	0.089	0.086	0.162	0.117	---	---	20
21	---	---	---	0.514	0.227	0.150	0.129	0.101	0.139	0.125	---	---	21
22	---	---	---	0.479	0.208	0.115	0.765	0.116	0.125	---	---	---	22
23	---	---	0.198B	0.467	0.190	0.103	0.358	0.108	0.170	---	---	---	23
24	---	---	0.294B	0.500	0.186	0.101	0.279	0.108	0.149	---	---	---	24
25	---	---	0.694	0.526	0.174	0.162	0.187	0.101	0.140	---	---	---	25
26	---	---	0.748	0.517	0.160	0.090	0.146	0.095	0.148	---	---	---	26
27	---	---	0.817	0.483	0.166	0.082	0.121	0.074	0.113	---	---	---	27
28	---	---	0.819	0.473	0.166	0.083	0.120	0.080	0.121	---	---	---	28
29	---	---	0.813	0.374	0.164	0.083	0.191	0.082	0.111	---	---	---	29
30	---		0.753	0.330	0.159	0.078	0.511	0.094	0.112	---	---	---	30
31	---		0.875		0.193		0.237	0.085		---		---	31
TOTAL	---	---	---	16.833	7.251	4.149	5.149	3.264	3.348	---	---	---	TOTAL
MEAN	---	---	---	0.561	0.234	0.138	0.166	0.105	0.112	---	---	---	MEAN
MAX	---	---	---	0.914	0.329	0.247	0.765	0.177	0.170	---	---	---	MAX
MIN	---	---	---	0.330	0.159	0.078	0.066	0.074	0.075	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.24 ON MAR 17

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 20 N
LONG 113 56 00 W
DRAINAGE AREA, 236 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	445
FEB	---	AUG	282
MAR	---	SEP	289
APR	1 450	OCT	---
MAY	626	NOV	---
JUN	358	DEC	---

ATIHOSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.017B	5.66 B	0.114	0.013	0.001	0.030	0	0	0.001	---	1
2	---	---	0.017B	7.10 B	0.109	0.046	0.001	0.019	0	0	0.025	---	2
3	---	---	0.017B	6.73 B	0.102	0.186	0	0.017	0	0	0.003A	---	3
4	---	---	0.017B	4.79	0.086	0.136	0	0.017	0	0	---	---	4
5	---	---	0.017B	4.32	0.080	0.085	0	0.009	0	0	---	---	5
6	---	---	0.017B	3.65	0.086	0.070	0	0.008	0	0.085	---	---	6
7	---	---	0.017B	3.15	0.085	0.076	0	0.002	0.004	0.011	---	---	7
8	---	---	0.017B	2.69	0.079	0.078	0.005	0	0.082	0.002	---	---	8
9	---	---	0.017B	2.29	0.074	0.085	0.002	0	0.065	0	---	---	9
10	---	---	0.018B	1.92	0.069	0.066	0.002	0	0.049	0	---	---	10
11	---	---	0.019B	1.66	0.066	0.032	0	0	0.058	0	---	---	11
12	---	---	0.020B	1.45	0.061	0.018	0	0	0.031	0	---	---	12
13	---	---	0.021B	1.36	0.057	0.008	0	0	0.001	0	---	---	13
14	---	---	0.022B	1.18	0.098	0.003	0.004	0	0.026	0	---	---	14
15	---	---	0.025B	0.846	0.062	0	0.046	0	0.028	0	---	---	15
16	---	---	0.039B	0.752	0.043	0.001	0.079	0	0.002	0	---	---	16
17	---	---	0.050B	0.684	0.037	0.006	0.073	0	0.045	0	---	---	17
18	---	---	0.090B	0.618	0.033	0.003	0.117	0	0.003	0	---	---	18
19	---	---	0.141B	0.557	0.032	0.001	0.107	0	0	0	---	---	19
20	---	---	0.161B	0.498	0.031	0	0.089	0	0	0	---	---	20
21	---	---	0.043B	0.459	0.066	0.011	0.064	0	0	0	---	---	21
22	---	---	0.046B	0.403	0.060	0.008	0.030	0	0	0	---	---	22
23	---	---	0.049B	0.314	0.054	0.007	0.037	0	0	0	---	---	23
24	---	---	0.066B	0.222	0.049	0.007	0.032	0	0	0	---	---	24
25	---	---	0.085B	0.168	0.040	0.006	0.020	0	0	0	---	---	25
26	---	---	0.028B	0.173	0.028	0.005	0.013	0	0	0	---	---	26
27	---	---	0.071B	0.175	0.031	0.007	0.008	0	0	0	---	---	27
28	---	---	0.061B	0.278	0.028	0.005	0.007	0	0	0	---	---	28
29	---		0.279B	0.226	0.023	0.002	0.012	0	0	0.007	---	---	29
30	---		1.09 B	0.165	0.018	0.001	0.022	0	0	0.020	---	---	30
31	---		2.07 B		0.015		0.025	0		0.002		---	31
TOTAL	---	---	3.33 B	54.488	1.816	0.968	0.796	0.102	0.394	0.127	---	---	TOTAL
MEAN	---	---	7.960	1.82	0.059	0.032	0.026	0.003	0.013	0.004	---	---	MEAN
MAX	---	---	0.257	7.10	0.114	0.186	0.117	0.030	0.082	0.085	---	---	MAX
MIN	---	---	3.33	0.165	0.015	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.272
MAXIMUM DAILY, 7.10B ON APR 2
MINIMUM DAILY, 0 ON JUN 15
MAXIMUM INSTANTANEOUS,
8.15 AT 08:30 MST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 10 N
LONG 110 55 10 W
DRAINAGE AREA, 365 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	68.8
FEB	---	AUG	8.81
MAR	688	SEP	34.0
APR	4 710	OCT	11.0
MAY	157	NOV	---
JUN	83.6	DEC	---

TOTAL DISCHARGE, 5 760 dam³

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.75 B	0.215E	0	0.031	0.078	0.009	0.002E	---	---	1
2	---	---	---	1.76 B	0.204E	0	0.025	0.063	0.007	0.002E	---	---	2
3	---	---	---	1.62 B	0.190E	0	0.020	0.053	0.002	0.001E	---	---	3
4	---	---	---	1.52 B	0.178E	0	0.014	0.054	0	0.001E	---	---	4
5	---	---	---	1.41 B	0.164E	0	0.010	0.079	0.003	0.001E	---	---	5
6	---	---	---	1.35 B	0.153E	0	0.005	0.083	0.008	0.001E	---	---	6
7	---	---	---	1.31	0.139E	0	0.010	0.079	0.012	0.001E	---	---	7
8	---	---	---	1.14	0.127E	0	0.033	0.079	0.012E	0.001E	---	---	8
9	---	---	---	0.949	0.113E	0	0.049	0.074	0.011E	0.001E	---	---	9
10	---	---	---	0.760	0.102E	0	0.053	0.065	0.010E	0.001E	---	---	10
11	---	---	---	0.593	0.088E	0	0.029	0.057	0.009E	0.001E	---	---	11
12	---	---	---	0.473	0.076E	0	0.027	0.049	0.008E	0.001E	---	---	12
13	---	---	0 B	0.394	0.062A	0	0.005	0.039	0.008E	0.001E	---	---	13
14	---	---	0.085B	0.342	0.052	0	0.004	0.033	0.007E	0.001E	---	---	14
15	---	---	0.170B	0.304	0.044	0	0.020	0.029	0.006E	0.001E	---	---	15
16	---	---	0.252B	0.298	0.030	0.001	0.002	0.024	0.005E	0 E	---	---	16
17	---	---	0.337B	0.351	0.019	0.007	0.002	0.018	0.005E	0 E	---	---	17
18	---	---	0.320B	0.413	0.022	0.011	0.001	0.012	0.004E	0 E	---	---	18
19	---	---	0.267B	0.482	0.044	0.011	0	0.009	0.003E	0 E	---	---	19
20	---	---	0.193B	0.581	0.039	0.013	0.035	0.003	0.003E	0 A	---	---	20
21	---	---	0.141B	0.679	0.022	0.024	0.137	0	0.003E	---	---	---	21
22	---	---	0.096B	0.788	0.006	0.066	0.205	0	0.003E	---	---	---	22
23	---	---	0.056B	0.602	0.014	0.119	0.203	0	0.002E	---	---	---	23
24	---	---	0.036B	0.062	0.010	0.154	0.190	0	0.002E	---	---	---	24
25	---	---	0.069B	0.094	0.005	0.254	0.168	0	0.002E	---	---	---	25
26	---	---	0.139B	0.101	0.002	0.125	0.149	0	0.002E	---	---	---	26
27	---	---	0.279B	0.117	0	0.065	0.109	0	0.002E	---	---	---	27
28	---	---	0.509B	0.207	0	0.043	0.101	0	0.002E	---	---	---	28
29	---		0.883B	0.241A	0	0.046	0.095	0	0.002E	---	---	---	29
30	---		1.39 B	0.229E	0	0.040	0.092	0.002	0.002E	---	---	---	30
31	---		1.69 B		0		0.095	0.005		---		---	31
TOTAL	---	---	---	20.920.	2.120	0.979	1.919	0.987	0.154	---	---	---	TOTAL
MEAN	---	---	---	0.697	0.068	0.033	0.062	0.032	0.005	---	---	---	MEAN
MAX	---	---	---	1.76	0.215	0.254	0.205	0.083	0.012	---	---	---	MAX
MIN	---	---	---	0.062	0	0	0	0	0	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.76B ON APR 2
MINIMUM DAILY, 0B ON MAR 13
MAXIMUM INSTANTANEOUS,
1.84 AT 08:14 MST ON APR 2

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 39 10 N
LONG 113 04 45 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	166
FEB	---	AUG	85.3
MAR	---	SEP	13.3
APR	1 810	OCT	---
MAY	183	NOV	---
JUN	84.6	DEC	---

BAPTISTE LAKE NEAR ATHABASCA - STATION NO. 07BE002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.410E	1.365	1.577	1.620	1.470	1.377	---	---	1
2	---	---	---	---	1.410E	1.365	1.577	1.615	1.457	1.377	---	---	2
3	---	---	---	---	1.410E	1.385E	1.577	1.615	1.455	1.375	---	---	3
4	---	---	---	---	1.410E	1.402	1.581	1.607	1.450	1.370	---	---	4
5	---	---	---	---	1.410E	1.395	1.581	1.610	1.445	1.370	---	---	5
6	---	---	---	---	1.415E	1.395	1.581E	1.605	1.445	1.369	---	---	6
7	---	---	---	---	1.415E	1.395	1.581	1.605	1.440	1.369	---	---	7
8	---	---	---	---	1.415E	1.395	1.588E	1.597	1.435	1.369	---	---	8
9	---	---	1.446	---	1.415E	1.395	1.594E	1.590	1.435	1.370E	---	---	9
10	---	---	---	---	1.415E	1.395	1.600	1.578	1.435	1.370	---	---	10
11	---	---	---	---	1.421	1.392	1.601	1.576E	1.435	1.370	---	---	11
12	---	---	---	---	1.420	1.390	1.601	1.573E	1.430	1.368	---	---	12
13	---	---	---	---	1.420	1.390	1.600	1.570	1.430	1.368E	---	---	13
14	---	---	---	---	1.410	1.390	1.599	1.565	1.427	1.367	---	---	14
15	---	---	---	---	1.405	1.390	1.601	1.545	1.422	1.367	---	---	15
16	---	---	---	---	1.405	1.390	1.597	1.541	1.420	1.367E	---	---	16
17	---	---	---	---	1.400	1.400	1.597	1.537	1.415	1.367	---	---	17
18	---	---	---	---	1.395	1.401	1.587	1.534	1.410	1.367	---	---	18
19	---	---	---	---	1.393	1.401	1.587	1.530	1.409E	1.366E	---	---	19
20	---	---	---	---	1.390	1.402	1.590	1.520	1.408E	1.365	---	---	20
21	---	---	---	1.485	1.385	1.440	1.595	1.517	1.407	1.355	---	---	21
22	---	---	---	1.483	1.385	1.455	1.600	1.515	1.405	1.355	---	---	22
23	---	---	---	1.483	1.380	1.470	1.610	1.510	1.403	1.350E	---	---	23
24	---	---	---	---	1.375	1.490	1.610	1.505	1.400	1.345	---	---	24
25	---	---	---	---	1.370	1.510	1.610	1.498	1.395	1.340	---	---	25
26	---	---	---	---	1.368	1.515	1.610	1.495	1.395	1.350	---	---	26
27	---	---	---	---	1.365	1.530	1.610	1.488	1.393	1.350	---	---	27
28	---	---	---	---	1.365E	1.543	1.615	1.480	1.390	1.345	---	---	28
29	---		---	---	1.365	1.560	1.621	1.475	1.385	1.345	---	---	29
30	---		---	---	1.362	1.570	1.625	1.485	1.382	1.350	---	---	30
31	---		---		1.362		1.617	1.480		1.350		---	31
MEAN	---	---	---	---	1.396	1.431	1.597	1.548	1.421	1.362	---	---	MEAN
MAX	---	---	---	---	1.421	1.570	1.625	1.620	1.470	1.377	---	---	MAX
MIN	---	---	---	---	1.362	1.365	1.577	1.475	1.382	1.340	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.625 ON JUL 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 44 14 N
LONG 113 31 51 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BARE CREEK RESERVOIR NEAR ELKWATER - STATION NO. 11AB09[illegible]

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	1134.833E	1134.862E	1134.823E	1134.863E	1134.713E	1134.386E	1133.091E	1132.954E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	1134.859E	1134.829E	1134.839E	1134.859E	1134.600E	1134.273E	1133.036E	1132.930E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	1134.859	---	---	---	---	---	---	23
24	---	1134.807	---	---	---	---	---	1133.551	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	1134.892	1134.805E	1134.872	1134.824E	---	---	1132.982E	---	---	---	26
27	---	---	1134.889E	---	1134.869E	---	1134.488E	1133.347E	---	1132.918	---	---	27
28	---	1134.817E	---	---	---	---	1134.478	---	---	---	---	---	28
29	---	---	---	1134.803	---	---	---	---	1132.967	---	---	---	29
30	---	---	---	1134.806E	---	1134.780E	---	---	1132.963E	---	---	---	30
31	---	---	1134.877E	---	1134.865E	---	1134.448E	1133.114E	---	1132.914E	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 26 06 N
LONG 110 23 45 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

BARRIER LAKE NEAR SEEBE - STATION NO. 05BF024

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1375.87	1375.87	1376.05	1375.41	1373.49	1372.58	1373.37	1373.40	1375.14	1375.14	1375.20	1375.07	1
2	1375.90	1375.71	1375.99	1375.23	1373.55	1372.61	1373.46	1373.55	1375.17	1375.17	1375.29	1375.20	2
3	1375.90	1375.90	1375.99	1375.11	1373.64	1372.64	1373.49	1373.89	1375.26	1375.20	1375.35	1375.01	3
4	1375.75	1375.84	1376.02	1375.01	1373.49	1372.51	1373.55	1373.92	1375.38	1375.29	1375.32	1374.95	4
5	1375.78	1375.78	1376.02	1375.07	1373.25	1372.39	1373.61	1374.37	1375.41	1375.29	1375.26	1374.95	5
6	1375.75	1375.56	1376.02	1374.98	1373.03	1372.30	1373.58	1374.89	1375.38	1375.32	1375.26	1375.01	6
7	1375.65	1375.47	1376.02	1374.92	1372.73	1372.18	1373.46	1375.23	1375.29	1375.29	1375.32	1375.07	7
8	1375.65	1375.47	1376.05	1374.77	1372.33	1372.03	1373.61	1375.32	1375.26	1375.23	1375.32	1374.89	8
9	1375.78	1375.53	1376.02	1374.83	1371.90	1371.94	1373.55	1375.38	1375.23	1375.11	1375.38	1374.92	9
10	1375.96	1375.44	1376.02	1374.89	1371.54	1371.75	1373.58	1375.20	1374.95	1375.20	1375.38	1374.95	10
11	1375.90	1375.53	1376.02	1374.95	1371.23	1371.78	1373.55	1375.14	1374.83	1375.29	1375.41	1374.86	11
12	1375.90	1375.71	1375.99	1375.01	1371.26	1371.84	1373.49	1375.26	1374.74	1375.23	1375.50	1374.86	12
13	1375.78	1375.71	1375.96	1374.89	1371.42	1371.97	1373.46	1375.14	1374.37	1375.23	1375.41	1374.86	13
14	1375.84	1375.84	1375.93	1374.83	1371.20	1371.97	1373.55	1375.04	1374.71	1375.26	1375.44	1374.74	14
15	1375.90	1375.84	1375.90	1374.74	1370.87	1372.54	1374.13	1375.04	1374.95	1375.23	1375.44	1374.68	15
16	1375.90	1375.47	1375.87	1374.65	1371.05	1372.54	1374.22	1375.04	1375.07	1375.23	1375.44	1374.77	16
17	1375.90	1375.26	1375.81	1374.65	1371.14	1372.58	1374.07	1375.04	1375.11	1375.23	1375.41	1374.83	17
18	1375.90	1375.35	1375.78	1374.62	1371.23	1372.51	1373.98	1375.17	1375.04	1375.17	1375.41	1374.68	18
19	1375.90	1375.29	1375.78	1374.47	1371.48	1372.36	1373.92	1375.07	1375.04	1375.07	1375.41	1374.83	19
20	1375.96	1375.20	1375.87	1374.37	1371.60	1372.36	1373.89	1374.98	1375.04	1374.92	1375.38	1374.92	20
21	1375.87	1375.26	1375.81	1374.47	1371.57	1372.33	1373.76	1375.14	1375.11	1374.89	1375.32	1375.01	21
22	1375.81	1375.35	1375.81	1374.19	1371.57	1372.12	1373.58	1375.26	1375.26	1374.89	1375.20	1375.11	22
23	1375.81	1375.44	1375.81	1374.25	1372.70	1372.09	1373.43	1375.26	1375.35	1374.95	1375.26	1375.17	23
24	1375.75	1375.56	1375.81	1374.34	1372.88	1372.45	1373.70	1375.29	1375.41	1375.07	1375.11	1375.20	24
25	1375.68	1375.68	1375.81	1374.40	1372.97	1372.64	1373.73	1375.29	1375.38	1375.17	1375.14	1375.26	25
26	1375.84	1375.78	1375.81	1374.37	1373.12	1372.42	1373.61	1375.20	1375.32	1375.26	1375.17	1375.32	26
27	1375.81	1375.90	1375.81	1374.13	1373.00	1372.54	1373.52	1375.32	1375.29	1375.23	1375.07	1375.35	27
28	1375.78	1376.02	1375.78	1373.89	1372.76	1372.48	1373.52	1375.26	1375.29	1375.29	1374.95	1375.38	28
29	1375.71		1375.87	1373.64	1372.51	1372.64	1373.55	1375.23	1375.17	1375.26	1375.11	1375.53	29
30	1375.78		1375.84	1373.64	1372.42	1373.00	1373.46	1375.29	1375.07	1375.32	1375.14	1375.56	30
31	1375.90		1375.59		1372.51		1373.43	1375.26		1375.26		1375.75	31
MEAN	1375.83	1375.60	1375.90	1374.62	1372.24	1372.34	1373.64	1374.96	1375.13	1375.18	1375.29	1375.05	MEAN
MAX	1375.96	1376.02	1376.05	1375.41	1373.64	1373.00	1374.22	1375.38	1375.41	1375.32	1375.50	1375.75	MAX
MIN	1375.65	1375.20	1375.59	1373.64	1370.87	1371.75	1373.37	1373.40	1374.37	1374.89	1374.95	1374.68	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1374.64
MAXIMUM DAILY, 1376.05 ON MAR 1
MINIMUM DAILY, 1370.87 ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 59 N
LONG 115 02 29 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.009	0.431	0.390	0.350	0.595	0.111E	0.016E	---	1
2	---	---	---	---	0.007	0.378	0.487	0.590	0.554	0.274E	0.011A	---	2
3	---	---	---	---	0.007	0.281	0.506	0.880	0.478	0.387A	---	---	3
4	---	---	---	---	0.013	0.227	0.457	0.928	0.484	0.505	---	---	4
5	---	---	---	---	0.019	0.259	0.444	0.772	0.449	0.549	---	---	5
6	---	---	---	---	0.242	0.349	0.416	0.390	0.581	0.516	---	---	6
7	---	---	---	---	0.126	0.390	0.591	0.525	0.609	0.439	---	---	7
8	---	---	---	---	0.134	0.506	0.406	0.764	0.518	0.295	---	---	8
9	---	---	---	---	0.120	0.308	0.418	0.862	0.407	0.260	---	---	9
10	---	---	---	---	0.103	0.348	0.477	0.824	0.212	0.285	---	---	10
11	---	---	---	---	0.069	0.159	0.593	0.489	0.101	0.493A	---	---	11
12	---	---	---	---	0.064	0.193	0.602	0.433	0.164	0.662E	---	---	12
13	---	---	---	---	0.067	0.813	0.956	0.359	0.078	0.624E	---	---	13
14	---	---	---	---	0.142	1.83	1.05	0.330	0.085	0.597E	---	---	14
15	---	---	---	---	0.379	1.54	1.14	0.282	0.094	0.638E	---	---	15
16	---	---	---	---	1.05	1.06	0.477	0.428	0.164	0.755E	---	---	16
17	---	---	---	---	0.877	0.660	0.395	0.360	0.449	0.862E	---	---	17
18	---	---	---	---	0.785	0.503	0.424	0.396	0.350	0.972A	---	---	18
19	---	---	---	---	0.871	0.427	0.598	0.193	0.319	0.922A	---	---	19
20	---	---	---	---	1.13	0.339	0.569	0.345	0.464	1.02 E	---	---	20
21	---	---	---	---	1.14	0.367	0.531	0.496	0.571	1.02 E	---	---	21
22	---	---	---	---	1.22	0.380	0.532	0.641	0.759	1.10 E	---	---	22
23	---	---	---	---	1.13	0.265	0.551	0.976	0.813A	0.829E	---	---	23
24	---	---	---	---	1.09	0.127	0.455	1.04	0.484E	0.498E	---	---	24
25	---	---	---	---	0.871	0.130	0.424	0.788	0.268E	0.317E	---	---	25
26	---	---	---	---	0.363	0.249	0.611	0.677	0.162E	0.285E	---	---	26
27	---	---	---	0.006A	0.430	0.419	0.611	0.484	0.120E	0.071E	---	---	27
28	---	---	---	0.006	0.438	0.284	0.677	0.535	0.169E	0.028E	---	---	28
29	---		---	0.008	0.403	0.120	0.646	0.362	0.227E	0.024E	---	---	29
30	---		---	0.008	0.374	0.225	0.550	0.503	0.085E	0.023E	---	---	30
31	---		---		0.415		0.414	0.531		0.020E		---	31
TOTAL	---	---	---	---	14.088	13.567	17.398	17.533	10.813	15.381	---	---	TOTAL
MEAN	---	---	---	---	0.454	0.452	0.561	0.566	0.360	0.496	---	---	MEAN
MAX	---	---	---	---	1.22	1.83	1.14	1.04	0.813	1.10	---	---	MAX
MIN	---	---	---	---	0.007	0.120	0.390	0.193	0.078	0.020	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.483
MAXIMUM DAILY, 1.83 ON JUN 14
MINIMUM DAILY, 0.007 ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 112 36 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 500
FEB	---	AUG	1 510
MAR	---	SEP	934
APR	---	OCT	1 330
MAY	1 220	NOV	---
JUN	1 170	DEC	---

TOTAL DISCHARGE, 7 660 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.40B	16.6	6.45	4.59	2.50E	2.20E	14.5	3.08	3.36	---	1
2	---	---	1.50B	17.6	5.49	4.71	2.60E	2.30E	13.7	2.96	3.32	---	2
3	---	---	1.60B	18.2	5.97	4.41	2.60E	2.44A	13.2	3.19	3.49	---	3
4	---	---	1.60B	18.5	5.56	4.22	2.60E	3.00E	12.3	3.25	---	---	4
5	---	---	2.20B	18.7	4.87	4.46	2.60E	3.47A	11.3	3.10	---	---	5
6	---	---	2.20B	19.0	4.42	4.27	2.60E	3.53	10.6	3.04	---	---	6
7	---	---	2.10B	19.9	4.60	3.93	2.60E	3.77	10.0	2.84	---	---	7
8	---	---	1.50B	19.3	4.88	3.86	2.50E	4.05	9.31	3.03	---	---	8
9	---	---	1.30B	18.1	5.00	3.71	2.50E	4.43	8.60	3.44	---	---	9
10	---	---	1.80B	17.3	4.63	3.52	2.40E	4.97	7.95	3.77	---	---	10
11	---	---	3.10B	16.7	4.63	3.38	2.30E	5.69	7.57	3.66	---	---	11
12	---	---	3.20B	16.0	4.65	3.32	2.30E	6.71	6.98	3.47	---	---	12
13	---	---	3.40B	16.0	4.59	3.19	2.30E	7.90	6.20	3.49	---	---	13
14	---	---	3.40B	14.9	4.49	3.12	2.30E	9.23	5.57	3.52	---	---	14
15	---	---	3.10B	13.5	4.39	3.06	2.40E	10.5	5.11	3.54	---	---	15
16	---	---	3.20B	12.8	4.46	2.97	2.40E	11.8	4.75	3.41	---	---	16
17	---	---	3.20B	12.8	4.77	2.95	2.40E	12.9	4.30	3.47	---	---	17
18	---	---	3.00B	12.1	4.75	3.08	2.40E	14.0	4.18	3.79	---	---	18
19	---	---	3.00B	11.2	4.57	3.12	2.40E	14.9	4.23	3.44	---	---	19
20	---	---	4.00B	9.53	5.29	2.91	2.30E	15.4	4.27	3.37	---	---	20
21	---	---	6.40B	9.21	5.81	2.71	2.20E	15.9	4.88	3.90	---	---	21
22	---	---	8.00B	10.3	5.78	2.58	2.20E	16.5	4.48	3.58	---	---	22
23	---	---	9.60B	9.89	5.53	2.53	2.10E	16.9	3.93	3.29	---	---	23
24	---	---	10.6 B	9.18	5.07	2.41A	1.90E	16.9	3.74	3.47	---	---	24
25	---	---	12.0 B	9.00	4.66	2.20E	1.80E	16.7	3.53	4.05	---	---	25
26	---	---	14.6 B	8.67	4.43	2.10E	1.60E	16.4	3.44	3.13	---	---	26
27	---	---	17.0 B	7.85	4.59	2.10E	1.47A	16.0	3.45	3.24	---	---	27
28	---	---	19.2 B	7.29	5.28	2.20E	1.80E	15.6	3.19	3.21	---	---	28
29	---		21.0 B	7.33	5.62	2.30E	2.00E	15.6	2.89	3.12	---	---	29
30	---		19.4 B	7.42	5.71	2.40E	2.10E	15.4	3.00	3.36	---	---	30
31	---		18.4 B		4.88		2.10E	15.2		3.49		---	31
TOTAL	---	---	206.00	404.87	155.82	96.31	70.27	320.29	201.15	104.70	---	---	TOTAL
MEAN	---	---	6.65	13.5	5.03	3.21	2.27	10.3	6.71	3.38	---	---	MEAN
MAX	---	---	21.0	19.9	6.45	4.71	2.60	16.9	14.5	4.05	---	---	MAX
MIN	---	---	1.30	7.29	4.39	2.10	1.47	2.20	2.89	2.84	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.36
MAXIMUM DAILY, 21.0B ON MAR 29
MINIMUM DAILY, 1.30B ON MAR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 23 N
LONG 112 20 48 W
DRAINAGE AREA, 7 690 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 070
FEB	---	AUG	27 700
MAR	17 800	SEP	17 400
APR	35 000	OCT	9 050
MAY	13 500	NOV	---
JUN	8 320	DEC	---

TOTAL DISCHARGE, 135 000 dam³

BATTLE RIVER NEAR PONOKA - STATION NO. 05PA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.650B	0.470B	0.530B	5.20B	1.86	3.05	0.812	50.4	2.82	3.30	2.53	2.35B	1
2	0.650B	0.460B	0.540B	5.13	1.88	2.94	0.675	63.7	2.82	3.18	2.51	2.33B	2
3	0.650B	0.450B	0.560B	4.97	2.01	3.26	0.566	55.1	2.85	3.12	2.87	2.27B	3
4	0.650B	0.450B	0.570B	4.31	1.93	3.40	0.565	44.8	2.86	3.14	3.00	2.25B	4
5	0.650B	0.440B	0.590B	3.86	1.90	3.43	0.585	35.6	2.76	3.12	2.92	2.20B	5
6	0.650B	0.440B	0.600B	3.58	2.40	3.50	0.524	26.8	2.69	3.07	2.85	2.20B	6
7	0.650B	0.430B	0.600B	3.11	3.93	3.33	0.500	19.3	2.57	2.93	2.78	2.15B	7
8	0.640B	0.420B	0.600B	2.82	6.78	2.90	0.538	14.7	2.37	3.00	2.69	2.15B	8
9	0.630B	0.420B	0.600B	2.59	9.77	2.66	0.479	12.0	2.44	2.90	2.49	2.10B	9
10	0.630B	0.410B	1.40 B	2.34	9.58	2.46	0.427	10.2	2.12	3.05	2.66	2.05B	10
11	0.620B	0.410B	2.30 B	2.11	7.65	2.25	0.476	8.83	2.12	3.37	2.52	2.05B	11
12	0.610B	0.400B	3.10 B	1.96	6.09	2.15	0.636	7.82	2.10	3.39	2.76	2.05B	12
13	0.600B	0.390B	4.20 B	1.69	5.02	2.10	0.635	7.06	2.00	3.22	2.60	2.05B	13
14	0.590B	0.390B	5.80 B	1.57	4.38	2.06	0.576	6.28	1.83	3.13	2.55	2.05B	14
15	0.590B	0.380B	7.20 B	1.64	4.05	1.89	0.751	5.66	1.83	3.00	2.56	2.05B	15
16	0.580B	0.380B	9.00 B	1.54	3.72	1.82	5.14	5.12	1.85	2.93	2.56	2.05B	16
17	0.570B	0.370B	11.4 B	1.58	3.52	1.69	14.2	4.59	1.72	2.87	2.57	2.07B	17
18	0.570B	0.360B	11.8 B	1.73	3.42	1.57	19.4	4.28	1.67	2.82	2.54	2.06B	18
19	0.560B	0.380B	11.6 B	1.78	3.15	1.51	21.0	3.99	1.66	2.80B	2.54	2.05B	19
20	0.550B	0.390B	10.0 B	1.78	3.01	1.55	15.6	3.77	1.97	2.45	2.50B	2.04B	20
21	0.550B	0.410B	7.00 B	1.74	2.67	1.65	9.00	3.53	1.74	2.47	2.50B	2.03B	21
22	0.540B	0.420B	5.80 B	1.70	2.53	1.68	6.54	3.38	2.27	2.45	2.45B	2.02B	22
23	0.530B	0.440B	4.70 B	1.73	2.37	2.24	5.17	3.26	2.71	2.47	2.45B	2.01B	23
24	0.520B	0.450B	4.30 B	1.76	2.17	2.33	4.82	3.05	3.27	2.52	2.45B	2.00B	24
25	0.510B	0.470B	4.40 B	1.72	1.96	2.13	4.45	2.94	3.28	2.48	2.40B	1.99B	25
26	0.510B	0.480B	4.80 B	1.64	1.92	1.92	4.56	2.83	3.30	2.61	2.40B	1.98B	26
27	0.500B	0.500B	5.00 B	1.63	1.79	1.64	4.44	2.68	3.26	2.56	2.40B	1.98B	27
28	0.490B	0.510B	5.40 B	1.64	1.97	1.44	4.30	2.61	3.29	2.54	2.40B	1.97B	28
29	0.480B		5.40 B	1.72	2.17	1.19	4.42	2.71	3.36	2.42	2.35B	1.97B	29
30	0.480B		5.30 B	1.80	2.71	0.895	9.50	2.84	3.28	2.47	2.35B	1.96B	30
31	0.470B		5.30 B		3.19		19.5	2.80		2.46		1.95B	31
TOTAL	17.870	11.920	140.390	72.37	111.50	66.635	160.785	422.63	74.81	88.24	77.15	64.43	TOTAL
MEAN	0.576	0.426	4.53	2.41	3.60	2.22	5.19	13.6	2.49	2.85	2.57	2.08	MEAN
MAX	0.650	0.510	11.8	5.20	9.77	3.50	21.0	63.7	3.36	3.39	3.00	2.35	MAX
MIN	0.470	0.360	0.530	1.54	1.79	0.895	0.427	2.61	1.66	2.42	2.35	1.95	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.59
MAXIMUM DAILY, 63.7 ON AUG 2
MINIMUM DAILY, 0.360B ON FEB 18
MAXIMUM INSTANTANEOUS,
65.3 AT 05:15 MST ON AUG 2

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 39 44 N
LONG 113 34 56 W
DRAINAGE AREA, 1 840 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 540	JUL	13 900
FEB	1 030	AUG	36 500
MAR	12 100	SEP	6 460
APR	6 250	OCT	7 620
MAY	9 630	NOV	6 670
JUN	5 760	DEC	5 570

TOTAL DISCHARGE, 113 000 dam³

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05PE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.58B	1.87B	1.59B	23.8B	12.5	8.12	4.31	2.56	14.3	5.93	4.76	3.15B	1
2	2.53B	1.90B	1.65B	25.0B	12.2	8.02	4.11	2.45	14.8	5.78	4.80	3.24B	2
3	2.38B	1.91B	1.70B	27.5B	11.9	8.11	3.90	2.90	14.9	5.51	4.79	3.16B	3
4	2.38B	1.94B	1.75B	30.0B	11.7	8.63	3.89	2.79	14.7	5.30	4.58A	3.23B	4
5	2.31B	1.96B	1.86B	33.9B	11.2	8.83	3.82	2.93	14.5	5.17	4.60A	2.79B	5
6	2.07B	1.95B	2.18B	29.1A	10.8	9.10	3.64	3.03	14.7	5.15	4.57B	2.83B	6
7	1.97B	1.88B	2.45B	27.3A	10.6	9.18	3.58	2.92	14.7	5.03	4.45B	3.00B	7
8	1.86B	1.85B	3.18B	27.0A	10.0	8.58	3.57	2.76	14.5	4.89	4.35B	2.95B	8
9	1.77B	1.77B	3.76B	27.0A	9.61	8.01	3.61	2.59	13.8	4.78	4.25B	2.98B	9
10	1.77B	1.72B	4.95B	27.0	9.37	7.74	3.59	2.43	13.2	4.80	4.15B	2.89B	10
11	1.85B	1.68B	9.43B	26.4	9.33	7.78	3.49	2.34	12.8	4.71	4.25B	2.69B	11
12	1.88B	1.57B	7.77B	25.8	9.20	7.39	3.53	2.34	11.9	4.71	4.20B	2.45B	12
13	1.89B	1.44B	5.75B	25.4	8.65	7.20	3.42	2.30	11.2	4.69	4.13B	2.60B	13
14	1.88B	1.37B	4.48B	24.4	8.29	7.03	3.21	2.29	10.7	4.66	3.66B	2.61B	14
15	1.81B	1.30B	3.85B	23.3	8.04	6.74	3.13	3.13	10.2	4.67	3.57B	2.44B	15
16	1.75B	1.25B	3.70B	22.4	7.87	6.70	3.11	3.53	9.76	4.68	3.68B	2.31B	16
17	1.71B	1.24B	4.36B	21.6	7.74	6.84	3.14	3.52	9.29	4.85	3.69B	2.29B	17
18	1.72B	1.23B	6.43B	20.9	7.60	6.75	3.05	3.70	8.93	4.81	3.53B	2.19B	18
19	1.75B	1.25B	9.42B	20.4	7.48	6.59	2.98	4.86	8.50	4.80	3.63B	2.09B	19
20	1.76B	1.31B	13.3 B	19.6	7.34	6.54	2.82	4.46	8.02	4.87	3.29B	2.07B	20
21	1.75B	1.36B	13.2 B	18.7	7.22	6.60	2.77	5.00	7.70	4.79	3.91B	2.06B	21
22	1.72B	1.40B	11.9 B	17.5	7.12	6.46	2.69	5.86	7.40	5.00B	3.60B	2.04B	22
23	1.72B	1.45B	11.6 B	17.0	6.91	6.06	2.59	7.31	6.97	5.10B	3.36B	2.06B	23
24	1.72B	1.47B	11.7 B	16.3	6.81	5.76	2.63	8.65	6.65	5.20B	3.32B	2.04B	24
25	1.72B	1.49B	11.5 B	15.8	6.89	5.51	2.71	9.69	6.30	5.25B	3.38B	1.90B	25
26	1.70B	1.51B	10.7 B	14.9	6.99	5.29	2.72	10.6	6.29	5.30B	3.31B	1.76B	26
27	1.69B	1.55B	11.8 B	14.0	7.53	5.08	2.63	11.6	6.34	5.30B	3.07B	1.68B	27
28	1.67B	1.58B	15.0 B	13.7	7.79	4.84	2.40	12.4	6.06	5.25B	3.18B	1.60B	28
29	1.67B		20.1 B	13.6	8.26	4.69	2.34	13.1	6.22	5.20B	3.16B	1.53B	29
30	1.72B		23.2 B	12.9	8.17	4.59	2.50	13.6	6.16	5.35	3.12B	1.56B	30
31	1.83B		22.8 B		8.65		2.62	13.9		5.05		1.51B	31
TOTAL	58.53	44.20	257.06	662.2	273.76	208.76	98.50	171.54	311.49	156.58	116.34	73.70	TOTAL
MEAN	1.89	1.58	8.29	22.1	8.83	6.96	3.18	5.53	10.4	5.05	3.88	2.38	MEAN
MAX	2.58	1.96	23.2	33.9	12.5	9.18	4.31	13.9	14.9	5.93	4.80	3.24	MAX
MIN	1.67	1.23	1.59	12.9	6.81	4.59	2.34	2.29	6.06	4.66	3.07	1.51	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.66
MAXIMUM DAILY, 33.9B ON APR 5
MINIMUM DAILY, 1.23B ON FEB 18

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 23 N
LONG 110 01 06 W
DRAINAGE AREA, 24 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 060	JUL	8 510
FEB	3 820	AUG	14 800
MAR	22 200	SEP	26 900
APR	57 200	OCT	13 500
MAY	23 700	NOV	10 100
JUN	18 000	DEC	6 370

TOTAL DISCHARGE, 210 000 dam³

REMARKS - PRIOR TO 1981 DATA PUBLISHED UNDER THE NAME "BATTLE RIVER NEAR THE ALBERTA BOUNDARY"

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.004	0	0.100	0.022	0	0	0	0	---	1
2	---	---	0	0.001	0	0.122	0.018	0	0	0	0	---	2
3	---	---	0	0	0	0.100	0.015	0	0	0	0A	---	3
4	---	---	0	0	0	0.072	0.011	0	0	0	---	---	4
5	---	---	0	0	0	0.056	0.007	0	0	0	---	---	5
6	---	---	0	0	0	0.053	0.005	0	0	0	---	---	6
7	---	---	0	0	0	0.042	0.014	0	0	0	---	---	7
8	---	---	0	0	0.037	0.034	0.012	0	0	0	---	---	8
9	---	---	0	0	0.463	0.038	0.009	0	0	0	---	---	9
10	---	---	0	0	0.430	0.034	0.009	0	0	0	---	---	10
11	---	---	0	0	0.266	0.024	0.006	0	0	0	---	---	11
12	---	---	0	0	0.303	0.024	0.005	0	0	0	---	---	12
13	---	---	0	0	0.229	0.036	0.078	0	0	0	---	---	13
14	---	---	0	0	0.180	0.123	0.141	0	0	0	---	---	14
15	---	---	0	0	0.182	0.241	0.187	0	0	0	---	---	15
16	---	---	0	0	0.326	0.180	0.036	0	0	0	---	---	16
17	---	---	0	0	0.798	0.096	0.017	0	0	0	---	---	17
18	---	---	0	0	0.991	0.069	0.010	0	0	0	---	---	18
19	---	---	0	0	0.744	0.066	0.005	0	0	0	---	---	19
20	---	---	0	0	0.561	0.051	0.003	0	0	0	---	---	20
21	---	---	0	0	0.572	0.038	0.003	0	0	0	---	---	21
22	---	---	0	0	0.633	0.029	0.003	0	0	0	---	---	22
23	---	---	0	0	0.495	0.026	0.002	0	0	0	---	---	23
24	---	0A	0	0	0.429	0.019	0.002	0	0	0	---	---	24
25	---	0	0	0	0.344	0.015	0.002	0	0	0	---	---	25
26	---	0	0	0	0.320	0.012	0.001	0	0	0	---	---	26
27	---	0	0	0	0.223	0.009	0	0	0	0	---	---	27
28	---	0	0	0	0.184	0.009	0	0	0	0	---	---	28
29	---		0	0	0.169	0.010	0	0	0	0	---	---	29
30	---		0.008	0	0.119	0.021	0	0	0	0	---	---	30
31	---		0.009		0.093		0	0		0		---	31
TOTAL	---	---	0.017	0.005	9.091	1.749	0.623	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0	0.293	0.058	0.020	0	0	0	---	---	MEAN
MAX	---	---	0.009	0.004	0.991	0.241	0.187	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0.009	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 0.991 ON MAY 18
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.07 AT 04:55 MST ON MAY 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 111 12 48 W
DRAINAGE AREA, 87.3 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	53.8
FEB	---	AUG	0
MAR	1.47	SEP	0
APR	0.43	OCT	0
MAY	785	NOV	---
JUN	151	DEC	---

TOTAL DISCHARGE, 992 dam³

BEAR LAKE NEAR CLAIRMONT - STATION NO. 07GE004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	28.977E	28.898	28.524	28.240	28.045E	28.008	---	---	1
2	---	---	---	---	28.977E	28.898	28.514E	28.230E	28.056E	28.016	---	---	2
3	---	---	---	---	28.977E	28.899	28.504	28.220E	28.063	28.009E	---	---	3
4	---	---	---	---	28.977E	28.897E	28.495E	28.210	28.071	28.003E	---	---	4
5	---	---	---	---	28.977	28.895E	28.486E	28.192	28.071E	27.996	---	---	5
6	---	---	---	---	28.999	28.893E	28.477	28.201	28.071E	27.996E	---	---	6
7	---	---	---	---	29.009	28.891E	28.477E	28.196E	28.072E	27.996	---	---	7
8	---	---	---	---	28.997	28.889E	28.477	28.191E	28.072	27.996E	---	---	8
9	---	---	---	---	28.998E	28.887	28.437	28.187E	28.065	27.997	---	---	9
10	---	---	---	---	28.998E	28.837E	28.426E	28.182E	28.064E	27.997E	---	---	10
11	---	---	---	---	29.000	28.788	28.414E	28.177	28.062	27.997E	---	---	11
12	---	---	---	---	29.018	28.788	28.403E	28.157	28.050E	27.997E	---	---	12
13	---	---	---	---	29.030	28.777E	28.393E	28.157	28.038E	27.997	---	---	13
14	---	---	---	---	29.032	28.767E	28.381E	28.149E	28.025E	27.997	---	---	14
15	---	---	---	---	28.998E	28.756	28.370	28.140E	28.014	27.997E	---	---	15
16	---	---	---	---	28.964E	28.745	28.339E	28.131E	28.014	27.997E	---	---	16
17	---	---	---	---	28.930	28.701	28.308	28.121E	28.008	27.998E	---	---	17
18	---	---	---	---	28.993	28.690E	28.301	28.112E	28.006E	27.998E	---	---	18
19	---	---	---	---	28.993	28.679E	28.302E	28.103E	28.003E	27.998E	---	---	19
20	---	---	---	---	28.977E	28.668E	28.303E	28.094	28.001E	27.998E	---	---	20
21	---	---	---	---	28.962E	28.657E	28.305E	28.092	27.998	27.998	---	---	21
22	---	---	---	---	28.946E	28.646E	28.306E	28.074	28.001	27.978	---	---	22
23	---	---	---	---	28.930E	28.634E	28.307	28.079E	28.006	27.978	---	---	23
24	---	---	---	---	28.915E	28.623	28.302	28.085E	28.005E	27.978E	---	---	24
25	---	---	---	---	28.899	28.603	28.302	28.090	28.003E	27.979E	---	---	25
26	---	---	---	---	28.922	28.595	28.296E	28.079	28.002E	27.979E	---	---	26
27	---	---	---	---	28.900	28.590E	28.289	28.085	28.000E	27.979	---	---	27
28	---	---	---	---	28.896E	28.584E	28.273	28.072E	27.999E	27.987	---	---	28
29	---		---	---	28.892	28.578	28.266E	28.060E	27.997	27.979E	---	---	29
30	---		---	---	28.894E	28.551E	28.259E	28.048E	28.008	27.979E	---	---	30
31	---		---		28.896E		28.251	28.035		27.979E		---	31
MEAN	---	---	---	---	28.964	28.743	28.371	28.135	28.030	27.993	---	---	MEAN
MAX	---	---	---	---	29.032	28.899	28.524	28.240	28.072	28.016	---	---	MAX
MIN	---	---	---	---	28.892	28.551	28.251	28.035	27.997	27.978	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 16 10 N
LONG 118 58 30 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.93 B	0.137	1.72	0.492	10.1	0.765E	0.338	---	---	1
2	---	---	---	2.46 B	0.155	1.95	0.907	6.80	0.753E	0.317	---	---	2
3	---	---	---	2.29 B	0.234	1.47	0.711	5.04	0.742E	0.331	---	---	3
4	---	---	---	2.06 B	0.189	1.54	0.513	7.02	0.731E	0.330	---	---	4
5	---	---	---	1.57 B	0.147	1.33	0.392	6.22	0.719E	0.274	---	---	5
6	---	---	---	1.02 B	0.383	1.06	0.347	4.04	0.708E	0.248	---	---	6
7	---	---	---	0.768B	0.967	0.934	0.353	3.03	0.697E	0.260	---	---	7
8	---	---	---	0.549B	3.74 A	0.763	0.409	2.60	0.685E	0.267	---	---	8
9	---	---	---	0.289B	10.3 A	0.706	0.420	2.27	0.674E	0.244	---	---	9
10	---	---	---	0.151B	18.1 A	0.721	0.308	1.97	0.663E	0.265	---	---	10
11	---	---	---	0.145B	9.60 A	0.787	0.278	1.78	0.651E	0.283	---	---	11
12	---	---	---	0.166B	7.99	0.783	0.249	1.57	0.640E	0.276	---	---	12
13	---	---	---	0.190B	5.56	0.823	0.229	1.45	0.629E	0.276	---	---	13
14	---	---	---	0.209B	4.05	0.925	1.27	1.36	0.617E	0.256	---	---	14
15	---	---	---	0.264	4.54	2.35	10.3	1.30	0.606E	0.266	---	---	15
16	---	---	---	0.298	7.76	1.87	6.99	1.84	0.595E	0.259	---	---	16
17	---	---	---	0.361	8.86	1.35	4.89	1.59	0.583E	0.214	---	---	17
18	---	---	---	0.426	6.00	1.12	2.53	1.29	0.572E	0.194	---	---	18
19	---	---	---	0.438	4.12	1.01	1.47	1.12	0.561E	0.183	---	---	19
20	---	---	---	0.487	3.12	0.843	3.95	1.01	0.549E	0.190	---	---	20
21	---	---	---	0.383	2.74	0.702	2.63	0.975	0.538E	0.227E	---	---	21
22	---	---	---	0.459	3.79	0.662	3.10	1.03	0.527E	---	---	---	22
23	---	---	---	0.447	3.36	0.601	4.40	1.00	0.515A	---	---	---	23
24	---	---	---	0.373	4.33	0.575	15.0	0.887	0.510	---	---	---	24
25	---	---	---	0.344	4.57	0.588	12.6	0.842	0.452	---	---	---	25
26	---	---	---	0.320	2.95	0.500	6.41	0.833A	0.430	---	---	---	26
27	---	---	---	0.270	2.12	0.484	3.69	0.821E	0.394	---	---	---	27
28	---	---	---	0.188	1.72	0.597	3.13	0.810E	0.373	---	---	---	28
29	---		---	0.156	1.51	0.518	5.21	0.799E	0.361	---	---	---	29
30	---		---	0.136	1.25	0.439	30.8	0.787E	0.336	---	---	---	30
31	---		3.28B		1.17		41.0	0.776E		---		---	31
TOTAL	---	---	---	20.147	125.462	29.721	164.978	72.960	17.576	---	---	---	TOTAL
MEAN	---	---	---	0.672	4.05	0.991	5.32	2.35	0.586	---	---	---	MEAN
MAX	---	---	---	2.93	18.1	2.35	41.0	10.1	0.765	---	---	---	MAX
MIN	---	---	---	0.136	0.137	0.439	0.229	0.776	0.336	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 41.0 ON JUL 31

MAXIMUM INSTANTANEOUS,
88.3 AT 22:37 MDT ON JUL 30

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 25 N
LONG 114 42 30 W
DRAINAGE AREA, 223 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	14 300
FEB	---	AUG	6 300
MAR	---	SEP	1 520
APR	1 740	OCT	---
MAY	10 800	NOV	---
JUN	2 570	DEC	---

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.066B	0.107	0.045	0.590	0.469	0.202	0.079	0.045	0.059	---	1
2	---	---	0.067B	0.092	0.044	0.582	0.469	0.197	0.075	0.044	0.061	---	2
3	---	---	0.060B	0.086	0.042	0.538	0.447	0.194	0.076	0.044	0.058	---	3
4	---	---	0.049B	0.080	0.042	0.495	0.405	0.184	0.074	0.046	0.060	---	4
5	---	---	0.051B	0.075	0.060	0.470	0.381	0.182	0.075	0.046	0.060A	---	5
6	---	---	0.070B	0.078	0.069	0.446	0.373	0.178	0.071	0.049	---	---	6
7	---	---	0.080B	0.071	0.083	0.425	0.361	0.164	0.068	0.049	---	---	7
8	---	---	0.079B	0.070	0.124	0.411	0.343	0.153	0.060	0.051	---	---	8
9	---	---	0.096B	0.071	0.152	0.398	0.327	0.152	0.054	0.050	---	---	9
10	---	---	0.117B	0.066	0.155	0.386	0.322	0.142	0.046	0.049	---	---	10
11	---	---	0.108B	0.065	0.139	0.365	0.320	0.136	0.043	0.049	---	---	11
12	---	---	0.126B	0.070	0.107	0.356	0.310	0.126	0.040	0.054	---	---	12
13	---	---	0.118B	0.067	0.086	1.05	0.288	0.112	0.039	0.059	---	---	13
14	---	---	0.120B	0.068	0.070	2.64	0.323	0.130	0.039	0.061	---	---	14
15	---	---	0.104B	0.072	0.297	1.46	0.353	0.149	0.039	0.061	---	---	15
16	---	---	0.105B	0.071	0.944	1.01	0.333	0.165	0.039	0.059	---	---	16
17	---	---	0.094B	0.071	0.817	0.957	0.323	0.180	0.037	0.057	---	---	17
18	---	---	0.085B	0.071	0.738	0.922	0.279	0.155	0.034	0.057	---	---	18
19	---	---	0.075B	0.070	0.698	0.861	0.259	0.143	0.032	0.055	---	---	19
20	---	---	0.124B	0.065	0.633	0.794	0.231	0.136	0.033	0.061	---	---	20
21	---	---	0.142B	0.065	0.567	0.725	0.236	0.125	0.036	0.061	---	---	21
22	---	---	0.092B	0.067	0.632	0.687	0.274	0.105	0.039	0.055	---	---	22
23	---	---	0.084B	0.063	0.939	0.666	0.339	0.105	0.037	0.064	---	---	23
24	---	0.083B	0.085	0.060	1.06	0.644	0.428	0.102	0.038	0.064	---	---	24
25	---	0.061B	0.090	0.056	1.03	0.596	0.510	0.097	0.042	0.065	---	---	25
26	---	0.063B	0.115	0.053	0.925	0.556	0.444	0.092	0.046	0.062	---	---	26
27	---	0.044B	0.097	0.051	0.837	0.535	0.291	0.091	0.049	0.062	---	---	27
28	---	0.052B	0.103	0.049	0.750	0.549	0.238	0.081	0.052	0.060	---	---	28
29	---		0.120	0.047	0.698	0.528	0.219	0.079	0.050	0.061	---	---	29
30	---		0.110	0.045	0.642	0.489	0.199	0.079	0.048	0.060	---	---	30
31	---		0.114		0.585		0.195	0.083		0.059		---	31
TOTAL	---	---	2.946	2.042	14.010	21.131	10.289	4.219	1.490	1.719	---	---	TOTAL
MEAN	---	---	0.095	0.068	0.452	0.704	0.332	0.136	0.050	0.055	---	---	MEAN
MAX	---	---	0.142	0.107	1.06	2.64	0.510	0.202	0.079	0.065	---	---	MAX
MIN	---	---	0.049	0.045	0.042	0.356	0.195	0.079	0.032	0.044	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.236
MAXIMUM DAILY, 2.64 ON JUN 14
MINIMUM DAILY, 0.032 ON SEP 19
MAXIMUM INSTANTANEOUS,
3.25 AT 03:30 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 21 N
LONG 113 47 38 W
DRAINAGE AREA, 256 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	889
FEB	---	AUG	365
MAR	255	SEP	129
APR	176	OCT	149
MAY	1 210	NOV	---
JUN	1 830	DEC	---

TOTAL DISCHARGE, 5 000 dam³

BEAVER LAKE AT RANGER STATION - STATION NO. 06AA003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.914E	1.878	1.869	1.821	1.733	1.639	---	---	1
2	---	---	---	---	1.914E	1.878	1.870	1.821	1.733	1.634	1.594	---	2
3	---	---	---	---	1.914	1.878	1.870	1.821	1.730E	1.634	---	---	3
4	---	---	---	---	1.915	1.878	1.870	1.821	1.725E	1.634	1.594	---	4
5	---	---	---	---	1.915	1.878	1.870	1.815E	1.720E	1.629E	---	---	5
6	---	---	---	---	1.915	1.878	1.870	1.810E	1.718E	1.624	1.584	---	6
7	---	---	---	---	1.916	1.878	1.870	1.805E	1.715E	1.624	---	---	7
8	---	---	---	---	1.906	1.868	1.860	1.800E	1.710E	1.624	1.584	---	8
9	---	---	---	---	1.906	1.868	1.860	1.795E	1.708E	1.624	---	---	9
10	---	---	1.851	---	1.907E	1.868	1.860	1.790E	1.705E	1.624	---	---	10
11	---	---	---	---	1.907	1.858	1.860	1.785E	1.700E	1.620E	1.579	---	11
12	---	---	---	---	1.909	1.859	1.860	1.780E	1.698E	1.617E	---	---	12
13	---	---	---	---	1.907	1.859	1.860	1.775E	1.695E	1.614	---	---	13
14	---	---	---	---	1.907	1.859	1.860	1.770E	1.690E	1.614	1.584	---	14
15	---	---	---	---	1.907	1.859	1.870	1.765E	1.688E	1.614	1.584	---	15
16	---	---	---	---	1.907	1.859	1.856	1.760E	1.685E	1.614	1.584	---	16
17	---	---	---	---	1.897	1.859	1.860	1.755E	1.680E	1.614E	1.584	---	17
18	---	---	---	---	1.897	1.861	1.860	1.750E	1.678E	1.614E	1.584	---	18
19	---	---	---	---	1.897	1.859	1.850	1.742	1.675E	1.614	1.584	---	19
20	---	---	---	---	1.897	1.859	1.848E	1.754	1.670E	1.614E	---	---	20
21	---	---	---	---	1.897	1.859	1.846E	1.732	1.668E	1.614	1.584	---	21
22	---	---	---	1.901	1.897	1.859	1.844E	1.732	1.664	1.614E	---	---	22
23	---	---	---	---	1.898	1.859	1.842E	1.732E	1.664	1.614E	1.584	---	23
24	---	---	---	---	1.898E	1.869	1.841	1.732	1.664E	1.614	---	---	24
25	---	---	---	---	1.898	1.869	1.831	1.732	1.664	1.604	1.584	---	25
26	---	---	---	---	1.898	1.869	1.831	1.732	1.654	1.604E	---	---	26
27	---	---	---	---	1.888	1.869	1.829E	1.732	1.654	1.604	1.584	---	27
28	---	---	---	---	1.878	1.869	1.827E	1.732	1.654	1.604E	---	---	28
29	---		---	---	1.878	1.869	1.825E	1.732	1.644	1.604	---	---	29
30	---		---	---	1.878	1.869	1.823E	1.732	1.644	1.604	---	---	30
31	---		---		1.878E		1.822E	1.732		1.599E		---	31
MEAN	---	---	---	---	1.901	1.867	1.852	1.767	1.688	1.617	---	---	MEAN
MAX	---	---	---	---	1.916	1.878	1.870	1.821	1.733	1.639	---	---	MAX
MIN	---	---	---	---	1.878	1.858	1.822	1.732	1.644	1.599	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 45 40 N
LONG 111 54 05 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.020B	0.040B	0.060B	0.200B	1.38 B	0.284	0.415	0.164	0.061	0.002	0.070E	0.080B	1
2	0.020B	0.040B	0.060B	0.200B	1.36 B	0.346	0.379	0.160	0.064	0.002	0.070E	0.080B	2
3	0.020B	0.040B	0.070B	0.210B	1.34 B	0.397	0.357	0.166	0.051	0.003	0.070E	0.080B	3
4	0.020B	0.040B	0.070B	0.210B	1.32 B	0.475	0.320	0.117	0.034	0.005	0.070E	0.080B	4
5	0.020B	0.040B	0.070B	0.220B	1.28 B	0.614	0.296	0.096	0.034	0.006	0.080E	0.075B	5
6	0.020B	0.030B	0.080B	0.220B	1.21	0.558	0.273	0.092	0.035	0.007	0.090E	0.075B	6
7	0.030B	0.030B	0.080B	0.220B	1.20	0.521	0.310	0.081	0.040	0.010	0.095E	0.075B	7
8	0.030B	0.030B	0.090B	0.230B	1.03	0.539	0.640	0.074	0.031	0.020	0.100E	0.075B	8
9	0.030B	0.030B	0.090B	0.230B	0.740	0.540	0.729	0.067	0.032	0.027	0.100E	0.070B	9
10	0.030B	0.030B	0.100B	0.230B	0.673	0.566	0.692	0.054	0.030	0.083	0.100E	0.070B	10
11	0.030B	0.030B	0.100B	0.230B	0.647	0.544	0.635	0.051	0.026	0.083	0.100E	0.070B	11
12	0.040B	0.030B	0.110B	0.230B	0.659	0.458	0.623	0.050	0.019	0.071A	0.100E	0.065B	12
13	0.040B	0.030B	0.110B	0.220B	0.598	0.458	0.567	0.045	0.013	0.070E	0.095B	0.065B	13
14	0.050B	0.030B	0.120B	0.210B	0.547	0.447	0.474	0.037	0.011	0.064E	0.095B	0.060B	14
15	0.050B	0.030B	0.120B	0.200B	0.478	0.417	0.583	0.037	0.008	0.060E	0.095B	0.060B	15
16	0.050B	0.030B	0.130B	0.200B	0.558	0.401	0.752	0.039	0.003	0.074E	0.095B	0.060B	16
17	0.050B	0.035B	0.130B	0.190B	0.490	0.475	0.677	0.039	0.002E	0.064E	0.090B	0.055B	17
18	0.060B	0.040B	0.130B	0.190B	0.421	0.403	0.469	0.040	0.001E	0.056E	0.090B	0.055B	18
19	0.060B	0.040B	0.140B	0.210B	0.536	0.409	0.367	0.043	0.001E	0.066E	0.090B	0.055B	19
20	0.060B	0.040B	0.140B	0.260B	0.449	0.424	0.311	0.044	0.001E	0.056E	0.085B	0.050B	20
21	0.060B	0.040B	0.140B	0.330B	0.436	0.446	0.278	0.057	0.002	0.056E	0.085B	0.050B	21
22	0.060B	0.040B	0.140B	0.480B	0.416	0.492	0.758	0.076	0.004	0.052E	0.085B	0.050B	22
23	0.060B	0.050B	0.150B	0.710B	0.372	0.555	0.996	0.063	0.001	0.052E	0.080B	0.050B	23
24	0.050B	0.050B	0.150B	1.00 B	0.391	0.580	0.880	0.066	0.002	0.052E	0.080B	0.050B	24
25	0.050B	0.050B	0.165B	1.17 B	0.392	0.624	0.648	0.068	0.002	0.052E	0.080B	0.050B	25
26	0.050B	0.050B	0.170B	1.23 B	0.386	0.652	0.477	0.064	0.002	0.052E	0.080B	0.045B	26
27	0.050B	0.050B	0.180B	1.28 B	0.356	0.633	0.335	0.066	0.002	0.054E	0.075B	0.045B	27
28	0.050B	0.060B	0.190B	1.30 B	0.311	0.566	0.280	0.061	0.002	0.056E	0.075B	0.040B	28
29	0.040B		0.190B	1.35 B	0.275	0.524	0.233	0.062	0.002	0.058E	0.075B	0.040B	29
30	0.040B		0.190B	1.40 B	0.268	0.455	0.197	0.061	0.001	0.058A	0.080B	0.035B	30
31	0.040B		0.200B		0.300		0.183	0.060		0.060E		0.035B	31
TOTAL	1.280	1.075	3.865	14.560	20.819	14.783	15.134	2.200	0.517	1.431	2.575	1.845	TOTAL
MEAN	0.041	0.038	0.125	0.485	0.672	0.493	0.488	0.071	0.017	0.046	0.086	0.060	MEAN
MAX	0.060	0.060	0.200	1.40	1.38	0.652	0.996	0.166	0.064	0.083	0.100	0.080	MAX
MIN	0.020	0.030	0.060	0.190	0.268	0.284	0.183	0.037	0.001	0.002	0.070	0.035	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.219
MAXIMUM DAILY, 1.40B ON APR 30
MINIMUM DAILY, 0.001E ON SEP 18
MAXIMUM INSTANTANEOUS,
1.44 AT 18:35 MST ON MAY 7

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 29 N
LONG 111 33 54 W
DRAINAGE AREA, 164 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	111	JUL	1 310
FEB	92.9	AUG	190
MAR	334	SEP	44.7
APR	1 260	OCT	124
MAY	1 800	NOV	222
JUN	1 280	DEC	159

TOTAL DISCHARGE, 6 930 dam³

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.30B	5.50B	4.55B	27.6B	25.9	8.27	18.4	18.8	4.85	2.89	2.85B	2.30B	1
2	4.30B	5.50B	4.55B	27.2B	25.1	8.17	17.5	18.0	4.50	2.90	2.80B	2.30B	2
3	4.20B	5.45B	4.61B	26.8B	23.8	7.74	16.7	16.7	4.43	2.90	2.85B	2.30B	3
4	4.20B	5.40B	4.61B	25.5B	22.8	7.47	15.7	15.5	4.58	2.90	2.90B	2.30B	4
5	4.10B	5.35B	4.64B	24.4B	22.1	7.14	14.9	14.5	4.30	2.88	2.90B	2.30B	5
6	4.09B	5.30B	4.64B	24.4B	21.3	7.03	14.0	13.7	4.18	2.96	2.90B	2.30B	6
7	4.05B	5.25B	4.64B	23.1B	20.5	7.48	13.4	12.7	4.19	2.87	2.85B	2.30B	7
8	4.05B	5.20B	4.70B	23.6B	19.4	6.95	13.9	12.0	4.06	2.80	2.85B	2.25B	8
9	4.05B	5.05B	4.70B	23.8B	18.5	6.57	12.8	11.4	4.08	2.92	2.80B	2.25B	9
10	4.00B	4.90B	4.75B	23.3B	17.9	6.47	16.0	10.8	4.08	2.95	2.75B	2.25B	10
11	4.00B	4.75B	4.75B	22.4B	17.4	6.29	24.3	10.0	4.06	2.97	2.80B	2.25B	11
12	4.00B	4.65B	4.79B	20.6B	16.8	6.31	28.4	9.56	3.98	3.00	2.85B	2.25B	12
13	4.05B	4.55B	4.91B	18.9B	16.4	6.23	31.7	9.12	3.83	2.99	2.85B	2.25B	13
14	4.10B	4.50B	5.21B	18.4B	16.0	6.15	34.3	8.69	3.77	3.09	2.80B	2.20B	14
15	4.15B	4.45B	5.75B	20.1B	15.2	6.05	37.0	8.27	3.65	3.12	2.80B	2.20B	15
16	4.20B	4.45B	7.00B	23.8B	14.4	5.98	36.1	7.85	3.54	3.16	2.75B	2.20B	16
17	4.30B	4.45B	8.30B	25.1B	13.8	6.12	34.3	7.39	3.48	3.11	2.75B	2.20B	17
18	4.35B	4.45B	10.3 B	27.5B	13.5	6.19	32.4	7.03	3.15	2.96	2.70B	2.20B	18
19	4.40B	4.45B	13.7 B	25.8	13.2	6.28	30.8	6.65	3.13	2.96	2.70B	2.20B	19
20	4.45B	4.45B	14.1 B	26.1	13.7	6.60	28.8	6.40	3.00	3.10	2.65B	2.20B	20
21	4.55B	4.45B	13.8 B	26.6	12.9	7.67	26.9	6.40	3.00	3.16	2.65B	2.15B	21
22	4.65B	4.45B	13.4 B	26.6	12.2	8.45	25.5	6.15	2.98	3.17	2.60B	2.15B	22
23	4.75B	4.45B	13.0 B	25.6	11.3	9.65	25.4	5.89	3.05	2.59	2.55B	2.15B	23
24	4.85B	4.45B	11.8 B	25.1	10.7	10.6	26.3	6.12	3.02	2.87B	2.55B	2.10B	24
25	5.00B	4.50B	10.8 B	24.3	10.2	12.7	26.0	6.16	3.23	3.06B	2.50B	2.05B	25
26	5.15B	4.50B	11.0 B	24.4	9.97	14.6	25.2	5.60	3.42	3.27B	2.45B	2.00B	26
27	5.30B	4.50B	11.0 B	25.3	9.73	16.1	24.4	5.29	3.21	2.91B	2.45B	1.95B	27
28	5.43B	4.55B	13.2 B	26.4	9.72	17.7	22.2	5.08	3.05	3.12B	2.40B	1.90B	28
29	5.45B		19.1 B	26.9	9.41	18.3	21.4	4.71	2.89	3.01B	2.35B	1.85B	29
30	5.50B		25.5 B	26.8	9.01	18.2	21.0	5.13	2.97	2.95B	2.32B	1.80B	30
31	5.50B		27.8 B		8.85		19.8	5.15		2.90B		1.75B	31
TOTAL	139.47	133.90	295.60	736.4	481.29	269.46	735.5	286.74	109.66	92.44	80.92	66.85	TOTAL
MEAN	4.50	4.78	9.54	24.5	15.5	8.98	23.7	9.25	3.66	2.98	2.70	2.16	MEAN
MAX	5.50	5.50	27.8	27.6	25.9	18.3	37.0	18.8	4.85	3.27	2.90	2.30	MAX
MIN	4.00	4.45	4.55	18.4	8.85	5.98	12.8	4.71	2.89	2.59	2.32	1.75	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.39
MAXIMUM DAILY, 37.0 ON JUL 15
MINIMUM DAILY, 1.75B ON DEC 31
MAXIMUM INSTANTANEOUS,
37.4 AT 13:30 MST ON JUL 15

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 20 N
LONG 110 13 00 W
DRAINAGE AREA, 14 500 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 100	JUL	63 500
FEB	11 600	AUG	24 800
MAR	25 500	SEP	9 470
APR	63 600	OCT	7 990
MAY	41 600	NOV	6 990
JUN	23 300	DEC	5 780

TOTAL DISCHARGE, 296 000 dam³

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 06AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.810B	14.2 B	5.05E	1.36	2.55	1.64	0.745	0.215E	---	---	1
2	---	---	0.810B	13.9 B	4.95E	1.23	2.31	1.49	0.694	0.210E	---	---	2
3	---	---	0.820B	13.7 B	4.85E	1.19	2.13	1.39	0.624	0.200E	---	---	3
4	---	---	0.820B	13.5 B	4.75E	1.14	1.89	1.28	0.596	0.180E	---	---	4
5	---	---	0.820B	13.3 B	4.64A	1.08	1.69	1.23	0.517	0.127	---	---	5
6	---	---	0.830B	13.8 B	4.50E	1.03	1.60	1.18	0.434	0.142	---	---	6
7	---	---	0.830B	12.9 B	4.30E	1.01	1.70	1.12	0.405	0.146	---	---	7
8	---	---	0.840B	11.2 B	4.14A	0.961	1.78	1.08	0.352	0.145	---	---	8
9	---	---	0.840B	9.05B	4.20E	1.02	1.75	1.07	0.344	0.160	---	---	9
10	---	---	0.850B	7.71B	4.30E	1.06	1.81	1.07	0.289	0.128	---	---	10
11	---	---	0.912B	7.20B	4.40E	1.09	2.42	1.07	0.270E	0.120E	---	---	11
12	---	---	1.08 B	7.15B	4.42A	1.09	3.50	1.03	0.250E	0.183	---	---	12
13	---	---	1.40 B	7.64B	4.16	1.07	4.99	0.995	0.240E	0.281	---	---	13
14	---	---	1.70 B	8.34B	3.74	1.03	4.99	0.969	0.230E	0.245	---	---	14
15	---	---	2.11 B	8.74B	3.47	0.992	4.97	0.945	0.220E	0.163	---	---	15
16	---	---	4.05 B	8.88B	3.68	1.04	4.71	0.929	0.220E	0.249	---	---	16
17	---	---	7.20 B	8.77B	3.26	1.46	4.58	1.10	0.220E	0.221	---	---	17
18	---	---	7.36 B	8.89B	3.09	2.73	4.14	1.74	0.220E	0.200	---	---	18
19	---	---	7.20 B	8.84B	2.87	2.79	3.74	1.61	0.220E	0.168	---	---	19
20	---	---	6.90 B	7.75	2.93	2.43	3.37	1.34	0.220E	0.115	---	---	20
21	---	---	6.57 B	7.07	2.92	2.77	3.10	1.21	0.238	0.100	---	---	21
22	---	---	5.40 B	6.85	2.68	2.75	2.85	1.11	0.261	0.140E	---	---	22
23	---	---	4.42 B	6.41A	2.51	2.75	2.78	0.990	0.286	0.160E	---	---	23
24	---	---	4.60 B	6.50E	2.38	2.81	2.56	0.961	0.355	0.200E	---	---	24
25	---	---	5.01 B	6.60A	2.11	2.97	2.29	0.908	0.390	0.200E	---	---	25
26	---	---	5.80 B	6.70E	1.89	2.99	2.04	0.887	0.327	0.190E	---	---	26
27	---	---	6.80 B	6.54A	1.97	3.05	1.87	0.965	0.325	0.178A	---	---	27
28	---	---	9.50 B	6.10E	1.79	3.04	1.75	0.847	0.316	0.170E	---	---	28
29	---		11.7 B	5.60E	1.64	2.90	1.64	0.840	0.261	0.160E	---	---	29
30	---		13.1 B	5.23A	1.51	2.70	1.55	0.882	0.223	0.150E	---	---	30
31	---		13.5 B		1.43		1.47	0.833		0.140E		---	31
TOTAL	---	---	134.582	268.66	104.53	55.533	84.52	34.511	10.292	5.406	---	---	TOTAL
MEAN	---	---	4.34	8.96	3.37	1.85	2.73	1.11	0.343	0.174	---	---	MEAN
MAX	---	---	13.5	14.2	5.05	3.05	4.99	1.74	0.745	0.281	---	---	MAX
MIN	---	---	0.810	5.23	1.43	0.961	1.47	0.833	0.220	0.100	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.85
MAXIMUM DAILY, 14.2B ON APR 1
MINIMUM DAILY, 0.100 ON OCT 21
MAXIMUM INSTANTANEOUS,
14.3B AT 12:55 MST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 08 N
LONG 111 22 00 W
DRAINAGE AREA, 4 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 300
FEB	---	AUG	2 980
MAR	11 600	SEP	889
APR	23 200	OCT	467
MAY	9 030	NOV	---
JUN	4 800	DEC	---

TOTAL DISCHARGE, 60 300 dam³

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.058	0	0.058	0.019	0.011	---	---	1
2	---	---	0	0	0	0.023	0.009	0.027	0.019	0.011	---	---	2
3	---	---	0	0	0	0.003	0.002	0.015	0.020	0.011	---	---	3
4	---	---	0	0	0	0	0	0.011	0.020	0.010	---	---	4
5	---	---	0	0	0	0	0	0.010	0.031	0.009	---	---	5
6	---	---	0	0	0	0	0	0.008	0.036	0.008	---	---	6
7	---	---	0	0	0	0	0	0.007	0.026	0.010	---	---	7
8	---	---	0	0	0.029	0	0.018	0.007	0.019	0.012	---	---	8
9	---	---	0	0	0	0	0.010	0.008	0.014	0.013	---	---	9
10	---	---	0	0	0	0.002	0	0.007	0.008	0.015	---	---	10
11	---	---	0	0	0	0.004	0	0.007	0.001	0.015	---	---	11
12	---	---	0	0	0	0.010	0	0.006	0	0.014	---	---	12
13	---	---	0.001B	0	0	0.010	0	0.004	0	0.015	---	---	13
14	---	---	0.002B	0	0	0.057	0.001	0.007	0	0.016	---	---	14
15	---	---	0	0	0	0.028	0.100	0.009	0	0.015	---	---	15
16	---	---	0	0	0	0.021	0.071	0.025	0	0.013	---	---	16
17	---	---	0	0	0	0.011	0.036	0.105	0	0.012	---	---	17
18	---	---	0	0	0.001E	0.006	0.015	0.149	0	0.012	---	---	18
19	---	---	0	0	0.001E	0.002	0.004	0.063	0.001	0.011	---	---	19
20	---	---	0	0	0	0	0.002	0.022	0.039	0.010	---	---	20
21	---	---	0	0	0.003	0	0.003	0.019	0.046	0.009	---	---	21
22	---	---	0	0	0.022	0	0.004	0.023	0.027	0.007	---	---	22
23	---	---	0	0	0.022	0	0.004	0.018	0.026	0.008	---	---	23
24	---	---	0	0	0.016	0	0.014	0.014	0.024	0.009	---	---	24
25	---	---	0	0	0.009	0	0.028	0.012	0.017	0.013	---	---	25
26	---	0	0	0	0.002	0	0.015	0.010	0.015	0.014	---	---	26
27	---	0	0	0	0	0	0.004	0.009	0.014	0.013	---	---	27
28	---	0	0	0	0	0.007	0	0.009	0.014	0.010	---	---	28
29	---		0	0	0	0.002	0.018	0.012	0.011	0.008A	---	---	29
30	---		0	0	0	0	0.401	0.015	0.011	0.007E	---	---	30
31	---		0		0.002		0.202	0.022		0.007E		---	31
TOTAL	---	---	0.003	0	0.107	0.244	0.961	0.714	0.458	0.348	---	---	TOTAL
MEAN	---	---	0	0	0.003	0.008	0.031	0.023	0.015	0.011	---	---	MEAN
MAX	---	---	0.002	0	0.029	0.058	0.401	0.149	0.046	0.016	---	---	MAX
MIN	---	---	0	0	0	0	0	0.004	0	0.007	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.401 ON JUL 30
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.537 AT 02:00 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 45 N
LONG 114 26 20 W
DRAINAGE AREA, 45.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83.0
FEB	---	AUG	61.7
MAR	0.26	SEP	39.6
APR	0	OCT	30.1
MAY	9.24	NOV	---
JUN	21.1	DEC	---

TOTAL DISCHARGE, 245 dam³

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.006B	3.98 B	0.030	0.061	0	0.010	0	0	---	---	1
2	---	---	0.006B	3.31 B	0.034	0.040	0	0.010	0A	0	---	---	2
3	---	---	0.006B	3.27 B	0.036	0.040	0	0.007	0	0	---	---	3
4	---	---	0.006B	2.63 B	0.044	0.066	0	0.025	0	0	---	---	4
5	---	---	0.006B	2.45 B	0.041	0.050	0	0.015	0	0	---	---	5
6	---	---	0.006B	2.16 B	0.047	0.033	0	0.002	0	0	---	---	6
7	---	---	0.006B	2.10 B	0.055	0.052	0.010	0	0	0	---	---	7
8	---	---	0.006B	1.71 B	0.067	0.050	0.127	0	0	0	---	---	8
9	---	---	0.006B	1.11 B	0.079	0.073	0.104	0	0	0	---	---	9
10	---	---	0.006B	0.929B	0.092	0.104	0.070	0	0	0	---	---	10
11	---	---	0.006B	0.707B	0.098	0.113	0.027	0	0	0	---	---	11
12	---	---	0.006B	1.08 B	0.098	0.148	0.004	0	0	0	---	---	12
13	---	---	0.800B	0.676B	0.094	0.130	0	0	0	0	---	---	13
14	---	---	3.00 B	0.484B	0.093	0.112	0.002	0	0	0	---	---	14
15	---	---	6.00 B	0.335B	0.097	0.088	0.081	0	0	0	---	---	15
16	---	---	8.20 B	0.154B	0.083	0.065	0.089	0	0	0	---	---	16
17	---	---	10.2 B	0.091B	0.073	0.090	0.108	0	0	0	---	---	17
18	---	---	11.4 B	0.066B	0.073	0.099	0.092	0	0	0	---	---	18
19	---	---	10.9 B	0.050	0.092	0.078	0.065	0	0	0	---	---	19
20	---	---	7.20 B	0.051	0.075	0.050	0.020	0	0	0	---	---	20
21	---	---	5.15 B	0.107	0.056	0.032	0.002	0	0	0	---	---	21
22	---	---	3.46 B	0.094	0.053	0.015	0.017	0	0	0	---	---	22
23	---	---	2.88 B	0.080	0.042	0.005	0.108	0	0	0.008	---	---	23
24	---	---	2.50 B	0.070	0.039	0.001	0.118	0	0	0.012	---	---	24
25	---	---	2.35 B	0.064	0.018	0	0.122	0	0	0.014	---	---	25
26	---	---	3.20 B	0.059	0.006	0	0.103	0	0	0.012	---	---	26
27	---	---	5.08 B	0.051	0.002	0	0.091	0	0	0.011	---	---	27
28	---	---	6.40 B	0.039	0.001	0	0.087	0	0	0.013	---	---	28
29	---		6.12 B	0.038	0.003	0	0.063	0	0	0.010A	---	---	29
30	---		5.47 B	0.038	0.001	0	0.045	0	0	0.010	---	---	30
31	---		4.82 B		0.020		0.025	0		0.010		---	31
TOTAL	---	---	105.202	27.983	1.642	1.595	1.580	0.069	0	0.100	---	---	TOTAL
MEAN	---	---	3.39	0.933	0.053	0.053	0.051	0.002	0	0.003	---	---	MEAN
MAX	---	---	11.4	3.98	0.098	0.148	0.127	0.025	0	0.014	---	---	MAX
MIN	---	---	0.006	0.038	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.564
MAXIMUM DAILY, 11.4B ON MAR 18
MINIMUM DAILY, 0 ON JUN 25
MAXIMUM INSTANTANEOUS,
12.2 AT 10:00 MST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 21 N
LONG 112 56 57 W
DRAINAGE AREA, 2 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	137
FEB	---	AUG	5.96
MAR	9 090	SEP	0
APR	2 420	OCT	8.64
MAY	142	NOV	---
JUN	138	DEC	---

TOTAL DISCHARGE, 11 900 dam³

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.110B	0.100B	0.300B	7.56B	16.5	8.81	0.994	0.006	0.001	0	0.002B	0 B	1
2	0.100B	0.100B	0.320B	8.52B	15.9	11.2	0.960	0.004	0.001	0	0.005B	0 B	2
3	0.105B	0.100B	0.330B	8.67B	15.0	13.9	0.833	0.004	0.001	0	0.005B	0 B	3
4	0.110B	0.100B	0.374B	8.26B	14.2	16.3 A	0.684	0.004	0.001	0	0.004B	0 B	4
5	0.115B	0.100B	0.370B	6.99B	13.9	18.2 A	0.708	0.003	0.002	0	0.003B	0.004B	5
6	0.110B	0.100B	0.238B	6.37B	13.2	16.9 A	0.571	0.001	0.001	0	0.002B	0.010B	6
7	0.105B	0.100B	0.229B	5.93B	12.4	15.1 A	0.451	0.001	0	0	0.002B	0.012B	7
8	0.095B	0.090B	0.253B	5.26B	12.0	13.0	0.358	0.001	0	0	0.001B	0 B	8
9	0.090B	0.080B	0.280B	5.25B	11.7	11.1	0.286	0	0	0	0.001B	0 B	9
10	0.090B	0.080B	0.355B	4.69B	12.1	9.53	0.167	0	0	0	0.001B	0 B	10
11	0.090B	0.080B	0.538B	3.63B	12.6	8.74	0.186	0	0	0	0.001B	0 B	11
12	0.085B	0.080B	1.75 B	2.71B	13.1	7.54	0.149	0	0	0	0.001B	0 B	12
13	0.085B	0.080B	3.68 B	2.84B	13.8	6.49	0.112	0	0	0	0 B	0 B	13
14	0.085B	0.150B	5.86 B	3.28B	13.8	5.99	0.091	0	0	0	0 B	0 B	14
15	0.080B	0.200B	8.34 B	2.89B	13.2	5.61	0.091	0	0	0	0 B	0 B	15
16	0.080B	0.300B	8.81 B	3.13B	12.3	5.24	0.069	0	0	0	0.001B	0 B	16
17	0.085B	0.320B	8.88 B	3.41B	11.4	4.75	0.054	0	0	0	0.001B	0 B	17
18	0.090B	0.330B	11.1 B	4.20B	10.8	4.37	0.046	0	0	0	0 B	0 B	18
19	0.100B	0.340B	11.0 B	4.98B	10.2	3.99	0.030	0	0	0	0 B	0 B	19
20	0.119B	0.350B	9.62 B	8.12B	9.97	3.67	0.030	0	0	0	0 B	0 B	20
21	0.150B	0.350B	7.80 B	13.9 B	9.43	3.41	0.025	0	0	0	0 B	0 B	21
22	0.180B	0.340B	6.00 B	13.7	8.69	3.13	0.019	0	0	0	0 B	0 B	22
23	0.200B	0.280B	4.20 B	15.6	8.20	2.85	0.016	0	0	0	0 B	0 B	23
24	0.190B	0.240B	2.68 B	18.6	7.70	2.63	0.014	0	0	0	0.001B	0 B	24
25	0.160B	0.230B	3.40 B	19.2	7.14	2.33	0.013	0	0	0	0.002B	0 B	25
26	0.140B	0.220B	3.98 B	18.9	6.63	2.00	0.008	0	0	0 B	0.002B	0 B	26
27	0.120B	0.210B	5.97 B	19.0	6.59	1.75	0.007	0	0	0 B	0.001B	0 B	27
28	0.110B	0.220B	8.83 B	18.7	6.69	1.56	0.014	0	0	0 B	0 B	0 B	28
29	0.100B		9.18 B	18.4	6.82	1.38	0.018	0	0	0 B	0 B	0 B	29
30	0.100B		9.35 B	17.5	6.99	1.15	0.009	0	0	0 B	0 B	0 B	30
31	0.100B		9.29 B		7.40		0.007	0		0.002B		0 B	31
TOTAL	3.479	5.270	183.307	280.19	340.35	212.62	7.020	0.024	0.007	0.002	0.036	0.026	TOTAL
MEAN	0.112	0.188	4.62	9.34	11.0	7.09	0.226	0.001	0	0	0.001	0.001	MEAN
MAX	0.200	0.350	11.1	19.2	16.5	18.2	0.994	0.006	0.002	0.002	0.005	0.012	MAX
MIN	0.080	0.080	0.229	2.71	6.59	1.15	0.007	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.72
MAXIMUM DAILY, 19.2 ON APR 25
MINIMUM DAILY, 0 ON AUG 9
MAXIMUM INSTANTANEOUS,
19.9 AT 19:30 MST ON APR 24

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 11 21 N
LONG 119 26 08 W
DRAINAGE AREA, 1 610 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	301	JUL	607
FEB	455	AUG	2.07
MAR 12	400	SEP	0.60
APR 24	200	OCT	0.17
MAY 29	400	NOV	3.11
JUN 18	400	DEC	2.25

TOTAL DISCHARGE, 85 800 dam³

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0 E	1.79	11.3	23.6	7.32	21.6	29.2	14.0	11.0	10.6	0E	1
2	0E	0 E	1.71	11.2	25.9	7.31	22.2	26.8	14.3	10.7	5.95	0E	2
3	0E	0 E	1.39	11.1	26.4	7.14	22.2	22.4	14.5	10.8	1.35	0E	3
4	0E	0 E	1.41	11.1	31.9	7.07	22.2	18.4	14.3	11.0	0.102	0E	4
5	0E	0 E	1.42	11.0	25.6	7.18	22.4	14.9	14.2	11.0	0 E	0E	5
6	0E	0 E	1.36	10.9	10.5	6.97	22.4	13.8	14.0	11.0	0 E	0E	6
7	0E	0 E	1.31	11.2	8.58	7.09	26.7	14.6	13.9	10.6	0 E	0E	7
8	0E	0 E	1.27	11.1	4.22	7.05	30.8	14.6	13.7	10.2	0 E	0E	8
9	0E	0 E	1.29	10.8	0.393	6.97	30.7	14.6	13.3	12.8	0 E	0E	9
10	0E	0 E	1.40	11.0	0.365	7.00	30.1	14.6	13.0	16.7	0 E	0E	10
11	0E	0 E	2.16	11.0	0.343	6.77	29.5	14.4	12.9	17.2	0 E	0E	11
12	0E	0 E	7.15	11.1	0.302	6.72	28.9	14.4	12.9	17.7	0 E	0E	12
13	0E	0 E	9.06	11.1	6.94	7.19	30.7	14.5	12.9	20.4	0 E	0E	13
14	0E	0 E	9.34	9.13	16.8	13.2	35.3	14.5	12.8	24.2	0 E	0E	14
15	0E	3.00E	9.43	9.45	17.6	7.84	40.5	14.5	12.8	24.1	0 E	0E	15
16	0E	4.50E	9.50	11.2	17.2	6.47	44.8	14.5	12.2	27.9	0 E	0E	16
17	0E	4.60E	9.82	11.2	13.8	6.41	47.6	16.4	11.9	33.1	0 E	0E	17
18	0E	4.60E	10.0	11.5	12.2	6.79	47.9	16.8	11.9	31.9	0 E	0E	18
19	0E	4.60E	10.0	11.8	12.0	8.36	48.2	16.4	11.7	31.7	0 E	0E	19
20	0E	4.69	10.1	11.6	12.3	9.47	48.5	16.1	11.9	32.3	0 E	0E	20
21	0E	1.91	10.0	12.1	13.5	9.49	48.8	15.6	11.8	33.2	0 E	0E	21
22	0E	3.60	10.0	12.8	16.5	9.61	47.4	15.0	11.7	33.8	0 E	0E	22
23	0E	2.36	10.2	13.1 A	9.38	9.41	43.1	14.9	11.6	33.6	0 E	0E	23
24	0E	2.19	10.2	14.0 E	7.87	9.45	40.9	14.6	11.5	34.0	0 E	0E	24
25	0E	2.15	9.95	15.0 E	7.69	11.8	43.1	14.5	11.5	31.9	0 E	0E	25
26	0E	2.24	9.97	15.9 E	7.54	13.9	43.9	14.5	11.5	32.1	0 E	0E	26
27	0E	2.12	11.2	16.8 A	7.55	14.1	37.0	14.4	11.4	33.5	0 E	0E	27
28	0E	2.12	11.1	19.9 A	7.55	14.2	32.0	14.5	11.1	30.3	0 E	0E	28
29	0E		11.0	21.4 E	7.51	17.7	34.8	14.5	11.1	26.6	0 E	0E	29
30	0E		11.5	22.8 A	7.39	21.4	38.1	14.4	11.1	21.7	0 E	0E	30
31	0E		11.6		7.24		34.1	14.4		14.8		0E	31
TOTAL	0	44.68	217.63	383.58	366.663	281.38	1 096.4	497.7	377.4	701.8	18.002	0	TOTAL
MEAN	0	1.60	7.02	12.8	11.8	9.38	35.4	16.1	12.6	22.6	0.600	0	MEAN
MAX	0	4.69	11.6	22.8	31.9	21.4	48.8	29.2	14.5	34.0	10.6	0	MAX
MIN	0	0	1.27	9.13	0.302	6.41	21.6	13.8	11.1	10.2	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.9
MAXIMUM DAILY, 48.8 ON JUL 21
MINIMUM DAILY, 0E ON JAN 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 10 N
LONG 113 33 07 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1959

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	94 700
FEB	3 860	AUG	43 000
MAR	18 800	SEP	32 600
APR	33 100	OCT	60 600
MAY	31 700	NOV	1 560
JUN	24 300	DEC	0

TOTAL DISCHARGE, 344 000 dam³

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.68B	2.62B	2.83B	3.78	25.3	34.6	24.4	10.7	3.57	1.21	2.59	1.97B	1
2	6.61B	2.62B	2.81B	3.65	36.4	30.5	24.2	10.0	4.16	1.25	2.35	2.14B	2
3	6.54B	2.60B	2.81B	3.51	31.0	29.2	22.8	9.61	3.86	1.23	2.28	2.24B	3
4	6.43B	2.55B	2.70	3.55	24.1	29.6	22.9	9.45	3.55	1.17	2.28	2.17B	4
5	6.36B	2.50B	2.63	3.56	20.7	30.2	24.3	9.29	3.26	1.13	2.19	2.06B	5
6	6.26B	2.45B	2.60	3.61	18.4	29.4	24.7	9.12	2.94	1.13	2.18	1.96B	6
7	5.94B	2.40B	2.52	3.37	16.0	29.3	24.3	8.87	2.71	1.04	2.15	1.87B	7
8	5.00B	2.30B	2.55	3.31	15.6	27.1	22.6	8.13	2.54	0.997	2.13	1.78B	8
9	4.43B	2.25B	2.43	3.35	14.9	24.7	18.7	6.82	2.46	1.03	2.12	1.75B	9
10	4.13B	2.30B	2.41	3.32	14.4	22.6	16.0	6.83	2.49	0.986	2.06	1.70B	10
11	3.86B	2.35B	2.45	3.28	13.4	21.2	15.2	6.68	2.54	1.06	2.02	1.70B	11
12	3.47B	2.50B	2.45	3.22	12.4	20.9	14.8	6.68	2.52	1.68	2.08	1.73B	12
13	3.15B	2.65B	2.50	3.12	11.6	21.3	15.5	6.58	2.43	2.40	2.13	1.78B	13
14	2.95B	3.00B	2.54	3.09	11.3	23.7	15.8	6.75	2.34	2.41	2.10	1.93B	14
15	2.85B	3.60B	2.62	3.19	24.4	21.8	14.7	7.08	2.23	2.38	2.35	2.16B	15
16	2.85B	4.03	2.75B	3.56	27.3	23.1	14.0	6.78	2.13	1.81	2.17	2.40B	16
17	2.91B	4.30	2.83B	3.81	24.9	23.8	13.4	6.47	2.06	0.828	2.23	2.52B	17
18	3.01B	3.89	2.87B	3.97	25.5	22.8	13.1	6.12	2.05	0.781	2.33	2.57B	18
19	2.95B	4.26	2.91B	4.34	28.6	21.5	14.3	5.79	2.10	0.848	2.25	2.57B	19
20	2.85B	4.98	2.83B	4.76	33.8	21.4	15.5	5.47	2.14	1.65	2.25	2.57B	20
21	2.80B	4.49	2.95B	6.11	41.1	21.5	15.2	5.22	1.96	2.22	2.15	2.55B	21
22	2.75B	3.90	3.01B	6.83	62.9	21.4	13.9	4.91	1.89	2.19	2.17	2.50B	22
23	2.75B	3.69	3.02	8.22	62.0	21.2	12.6	4.57	1.63	2.20	2.16	2.44B	23
24	2.75B	3.56	2.96	16.1	53.8	21.2	12.6	4.33	1.44	2.20	1.85B	2.34B	24
25	2.73B	3.27B	3.03	22.0	51.5	21.3	16.3	4.19	1.32	2.17	1.50B	2.24B	25
26	2.71B	3.11B	3.31	21.3	52.7	21.7	14.3	4.30	1.31	2.33	1.61B	2.08B	26
27	2.71B	2.99B	3.22	18.4	50.5	25.3	12.6	4.48	1.33	2.31	1.78B	1.84B	27
28	2.71B	2.87B	3.34	16.7	45.4	26.0	12.1	4.48	1.31	2.35	2.11B	1.62B	28
29	2.67B		3.59	15.7	40.3	23.2	12.4	4.10	1.28	2.37	2.05B	1.46B	29
30	2.65B		3.88	16.4	37.5	22.5	12.4	3.90	1.20	2.37	1.96B	1.32B	30
31	2.65B		3.77		36.4		11.7	3.61		2.51		1.24B	31
TOTAL	119.11	88.03	89.12	219.11	964.1	734.0	517.3	201.31	68.75	52.240	63.58	63.20	TOTAL
MEAN	3.84	3.14	2.87	7.30	31.1	24.5	16.7	6.49	2.29	1.69	2.12	2.04	MEAN
MAX	6.68	4.98	3.88	22.0	62.9	34.6	24.7	10.7	4.16	2.51	2.59	2.57	MAX
MIN	2.65	2.25	2.41	3.09	11.3	20.9	11.7	3.61	1.20	0.781	1.50	1.24	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.71
MAXIMUM DAILY, 62.9 ON MAY 22
MINIMUM DAILY, 0.781 ON OCT 18
MAXIMUM INSTANTANEOUS,
65.6 AT 21:50 MST ON MAY 22

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 00 N
LONG 113 41 48 W
DRAINAGE AREA, 319 km²

B - ICE CONDITIONS

REGULATED SINCE 1935

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 300	JUL	44 700
FEB	7 610	AUG	17 400
MAR	7 700	SEP	5 940
APR	18 900	OCT	4 510
MAY	83 300	NOV	5 490
JUN	63 400	DEC	5 460

TOTAL DISCHARGE, 275 000 dam³

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.40B	2.50B	3.20B	2.57	2.95	48.7	19.3	10.3	1.97	1.83	1.64	2.23	1
2	8.30B	2.40B	2.90B	2.45	13.2	44.2	20.6	11.2	1.89	1.85	1.57	2.24	2
3	8.20B	2.40B	2.60B	2.39	18.6	40.3	19.7	11.0	1.98	1.91	1.83	2.43	3
4	8.10B	2.30B	2.30B	2.33	11.9	38.3	18.4	12.7	1.99	1.85	2.18	2.32	4
5	7.90B	2.30B	2.20B	2.24	3.25	38.5	18.4	11.3	1.97	1.75	1.90	2.52	5
6	7.50B	2.20B	2.10B	2.12	20.0	38.6	20.2	13.0	1.97	1.74	1.83	2.72	6
7	7.20B	2.10B	2.10B	2.06	22.8	38.5	18.7	10.8	1.96	1.65	1.75	2.71	7
8	7.00B	2.00B	2.00B	2.01	24.9	37.6	13.0	10.7	1.94	1.77	1.68	2.70	8
9	6.50B	2.00B	1.90B	1.97	30.8	35.1	11.1	9.73	1.87	1.89	1.78	2.71	9
10	6.00B	2.00B	1.90B	1.92	28.6	32.7	7.89	8.96	1.90	1.69	2.33	2.79	10
11	5.60B	2.00B	2.00B	1.92	27.6	30.2	5.86	4.95	1.92	1.93	2.42	2.87	11
12	5.20B	2.10B	2.10B	1.97	26.1	29.1	4.93	5.42	1.95	2.11	2.41	2.57	12
13	4.70B	2.20B	2.20B	1.96	22.1	34.5	4.79	5.46	1.89	2.11	2.44	2.31	13
14	4.00B	4.20B	2.20B	1.88	12.7	94.0	4.44	4.87	1.99	2.21	2.55	2.15 B	14
15	3.60B	7.20B	2.27	2.97	11.1	59.9	5.75	5.05	1.90	2.22	2.47	2.00 B	15
16	3.50B	7.90B	2.24	2.66	70.5	40.8	4.42	4.97	1.84	1.93	2.45	1.95 B	16
17	3.60B	8.20B	2.39	2.24	48.5	37.5	4.15A	4.59	1.74	1.83	2.60	1.90 B	17
18	3.60B	8.30B	2.31	2.13	39.2	35.8	4.01E	3.17	1.74	1.74	2.72	1.85 B	18
19	3.90B	7.50B	2.13	2.09	36.0	32.2	3.87E	2.72	1.72	1.70	2.83	1.85 B	19
20	3.90B	5.40B	2.20	2.16	38.7	28.5	3.72E	2.48	1.68	1.82	2.93	1.80 B	20
21	3.90B	4.50B	2.23	2.20	42.1	27.7	3.58E	2.36	1.93	1.86	2.77	1.75 B	21
22	3.70B	4.20B	2.12	2.28	115	27.1	3.44E	2.48	1.97	1.82	2.89	1.70 B	22
23	3.40B	4.10B	2.04	2.63	111	26.1	3.30A	2.43	2.02	1.80	3.11	1.60 B	23
24	3.50B	4.00B	1.92	4.90	83.8	25.6	3.69	2.46	2.09	1.99	2.97	1.50 B	24
25	3.30B	3.90B	2.43	14.2	7*.9	24.0	3.78	2.18	2.18	2.07	2.99	1.35 B	25
26	3.10B	3.80B	2.71	18.8	71.5	20.7	3.53	2.06	2.22	1.88	2.54	1.25 B	26
27	2.90B	3.70B	2.77	15.8	69.5	22.1	3.33	1.97	2.12	1.88	2.26	1.20 B	27
28	2.80B	3.50B	2.56	9.12	63.7	24.7	9.96	1.97	2.13	1.89	2.25	1.10 B	28
29	2.70B		2.36	4.37	56.9	22.8	9.86	1.98	2.10	1.83	2.26	1.00 B	29
30	2.70B		2.67	2.54	52.8	19.8	5.20	2.03	1.95	1.75	1.89	0.950B	30
31	2.60B		2.77		50.3		5.35	2.06		1.73		0.900B	31
TOTAL	151.30	108.90	71.82	120.88	1 298.00	1 055.6	268.25	177.35	58.52	58.03	70.24	60.920	TOTAL
MEAN	4.88	3.89	2.32	4.03	41.9	35.2	8.65	5.72	1.95	1.87	2.34	1.97	MEAN
MAX	8.40	8.30	3.20	18.8	115	94.0	20.6	13.0	2.22	2.22	3.11	2.87	MAX
MIN	2.60	2.00	1.90	1.88	2.95	19.8	3.30	1.97	1.68	1.65	1.57	0.900	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.59
MAXIMUM DAILY, 115 ON MAY 22
MINIMUM DAILY, 0.900B ON DEC 31
MAXIMUM INSTANTANEOUS,
153 AT 18:40 MST ON MAY 22

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 40 N
LONG 113 18 10 W
DRAINAGE AREA, 1 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1935

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 100	JUL	23 200
FEB	9 410	AUG	15 300
MAR	6 210	SEP	5 060
APR	10 400	OCT	5 010
MAY	112 000	NOV	6 070
JUN	91 200	DEC	5 260

TOTAL DISCHARGE, 302 000 dam³

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	0.500	0.266A	0.017	0.009	0.008	0.009	0.009B	0.008B	1
2	0B	0B	0B	0 B	0.470	0.250	0.016	0.009	0.012	0.009	0.009B	0.008B	2
3	0B	0B	0B	0 B	0.460	0.200	0.015A	0.008	0.011	0.009	0.009B	0.008B	3
4	0B	0B	0B	0 B	0.444A	0.140	0.014	0.008	0.010	0.009	0.008B	0.008B	4
5	0B	0B	0B	0 B	0.320	0.090	0.013	0.007	0.010	0.009	0.008B	0.008B	5
6	0B	0B	0B	0 B	0.250	0.060	0.012	0.007	0.009	0.009	0.008B	0.007B	6
7	0B	0B	0B	0 B	0.200	0.040	0.011	0.007	0.009	0.009	0.007B	0.007B	7
8	0B	0B	0B	0 B	0.166A	0.030	0.012	0.006	0.009	0.010	0.007B	0.007B	8
9	0B	0B	0B	0 B	0.130	0.025	0.032	0.006	0.009	0.010	0.006B	0.007B	9
10	0B	0B	0B	0 B	0.100	0.018A	0.031	0.006	0.009	0.009	0.006B	0.007B	10
11	0B	0B	0B	0 B	0.085	0.016	0.030	0.006	0.010	0.009	0.005B	0.006B	11
12	0B	0B	0B	0 B	0.070	0.014	0.029	0.007	0.010	0.009	0.005B	0.006B	12
13	0B	0B	0B	0 B	0.060	0.016	0.029	0.008	0.009	0.009	0.005B	0.006B	13
14	0B	0B	0B	0 B	0.050	0.020	0.028	0.010	0.009	0.009	0.005B	0.006B	14
15	0B	0B	0B	0 B	0.044A	0.019	0.026	0.009	0.009	0.009	0.005B	0.005B	15
16	0B	0B	0B	0 B	0.041	0.018	0.023	0.009	0.009	0.009	0.005B	0.005B	16
17	0B	0B	0B	0 B	0.039	0.017	0.020	0.008	0.009	0.010	0.005B	0.005B	17
18	0B	0B	0B	0 B	0.038	0.016	0.018	0.008	0.009	0.011	0.006B	0.004B	18
19	0B	0B	0B	0 B	0.037	0.015	0.016	0.007	0.009	0.010B	0.006B	0.004B	19
20	0B	0B	0B	0 B	0.038	0.014	0.014	0.007	0.010	0.010B	0.006B	0.003B	20
21	0B	0B	0B	0 B	0.039	0.020	0.013	0.007	0.011	0.010B	0.006B	0.002B	21
22	0B	0B	0B	0.020B	0.038	0.038	0.014	0.006	0.012	0.010B	0.006B	0.001B	22
23	0B	0B	0B	0.060B	0.037	0.035	0.020	0.006	0.012	0.011B	0.007B	0 B	23
24	0B	0B	0B	0.398B	0.036	0.031	0.019	0.006	0.011	0.011B	0.007B	0 B	24
25	0B	0B	0B	0.760B	0.035	0.028	0.018	0.006	0.010	0.010B	0.007B	0 B	25
26	0B	0B	0B	0.880B	0.034	0.025A	0.020	0.006	0.010	0.010B	0.007B	0 B	26
27	0B	0B	0B	0.920	0.033	0.022	0.022	0.006	0.009	0.010B	0.007B	0 B	27
28	0B	0B	0B	0.941A	0.032	0.019	0.020	0.006	0.009	0.009B	0.008B	0 B	28
29	0B		0B	0.720	0.031	0.018	0.018	0.006	0.009	0.009B	0.008B	0 B	29
30	0B		0B	0.542A	0.032	0.018	0.015	0.007	0.009A	0.009B	0.008B	0 B	30
31	0B		0B		0.070		0.010A	0.007A		0.009B		0 B	31
TOTAL	0	0	0	5.241	3.959	1.538	0.595	0.221	0.291	0.295	0.201	0.128	TOTAL
MEAN	0	0	0	0.175	0.128	0.051	0.019	0.007	0.010	0.010	0.007	0.004	MEAN
MAX	0	0	0	0.941	0.500	0.266	0.032	0.010	0.012	0.011	0.009	0.008	MAX
MIN	0	0	0	0	0.031	0.014	0.010	0.006	0.008	0.009	0.005	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 0.941A ON APR 28
MINIMUM DAILY, 0B ON JAN 1

LOCATION - LAT 59 48 50 N
LONG 111 57 45 W
DRAINAGE AREA, 67.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	51.4
FEB	0	AUG	19.1
MAR	0	SEP	25.1
APR	453	OCT	25.5
MAY	342	NOV	17.4
JUN	133	DEC	11.1

TOTAL DISCHARGE, 1 080 dam³

REMARKS - NO GAUGE - DISCHARGES ESTIMATED BETWEEN MEASUREMENTS

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	0	0	0	---	1
2	---	---	---	---	---	---	---	---	0	0	0	---	2
3	---	---	---	---	---	---	---	---	0	0	0	---	3
4	---	---	---	---	---	---	---	---	0	0	0	---	4
5	---	---	---	---	---	---	---	---	0	0	0A	---	5
6	---	---	---	---	---	---	---	---	0	0	---	---	6
7	---	---	---	---	---	---	---	---	0	0	---	---	7
8	---	---	---	---	---	---	---	---	0	0	---	---	8
9	---	---	---	---	---	---	---	---	0	0	---	---	9
10	---	---	---	---	---	---	---	---	0	0	---	---	10
11	---	---	---	---	---	---	---	---	0	0	---	---	11
12	---	---	---	---	---	---	---	---	0	0	---	---	12
13	---	---	---	---	---	---	---	---	0	0	---	---	13
14	---	---	---	---	---	---	---	---	0	0	---	---	14
15	---	---	---	---	---	---	---	---	0	0	---	---	15
16	---	---	---	---	---	---	---	---	0	0	---	---	16
17	---	---	---	---	---	---	---	---	0	0	---	---	17
18	---	---	---	---	---	---	---	---	0	0	---	---	18
19	---	---	---	---	---	---	---	---	0	0	---	---	19
20	---	---	---	---	---	---	---	---	0	0	---	---	20
21	---	---	---	---	---	---	---	---	0	0	---	---	21
22	---	---	---	---	---	---	---	---	0	0	---	---	22
23	---	---	---	---	---	---	---	---	0	0	---	---	23
24	---	---	---	---	---	0A	---	0A	0	0	---	---	24
25	---	---	---	---	---	---	---	0	0	0	---	---	25
26	---	---	---	---	---	---	---	0	0	0	---	---	26
27	---	---	---	---	---	---	---	0	0	0	---	---	27
28	---	---	---	---	---	---	---	0	0	0	---	---	28
29	---		---	---	---	---	---	0	0	0	---	---	29
30	---		---	---	---	---	---	0	0	0	---	---	30
31	---		---		---		---	0		0		---	31
TOTAL	---	---	---	---	---	---	---	---	0	0	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	0	0	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	0	0	---	---	MAX
MIN	---	---	---	---	---	---	---	---	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0A ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 45 N
LONG 111 40 53 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	0
APR	---	OCT	0
MAY	---	NOV	---
JUN	---	DEC	---

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0	0	0	0	0	0	0	---	1
2	---	---	0B	0B	0	0	0	0	0	0	0	---	2
3	---	---	0B	0	0	0	0	0	0	0	---	---	3
4	---	---	0B	0	0	0	0	0	0	0	---	---	4
5	---	---	0B	0	0	0	0	0	0	0	---	---	5
6	---	---	0B	0	0	0	0	0	0	0	---	---	6
7	---	---	0B	0	0	0	0	0	0	0	---	---	7
8	---	---	0B	0	0	0	0	0	0	0	---	---	8
9	---	---	0B	0	0	0	0	0	0	0	---	---	9
10	---	---	0B	0	0	0	0	0	0	0	---	---	10
11	---	---	0B	0	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 24 56 N
LONG 111 29 41 W
DRAINAGE AREA, 1 550 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.005B	0.011	0.010	0.035	0	0	0	0	---	1
2	---	---	0.003B	0.007B	0.014	0.013	0.003	0	0	0	0	---	2
3	---	---	0.003B	0.008B	0.012	0.009	0.001	0	0	0	0	---	3
4	---	---	0.005B	0.003B	0.011	0.009	0	0	0	0	0	---	4
5	---	---	0.004B	0.010B	0.008	0.010	0	0	0	0	---	---	5
6	---	---	0.004B	0.009B	0.011	0.009	0	0	0	0	---	---	6
7	---	---	0.004B	0.004B	0.013	0.004	0	0	0	0	---	---	7
8	---	---	0.004B	0.007B	0.013	0.003	0	0	0	0	---	---	8
9	---	---	0.003B	0.007B	0.015	0.004	0	0	0	0	---	---	9
10	---	---	0.005B	0.006B	0.013	0.003	0	0	0	0	---	---	10
11	---	---	0.006B	0.008B	0.016	0.003	0	0	0	0	---	---	11
12	---	---	0.007B	0.008B	0.017	0	0	0	0	0	---	---	12
13	---	---	0.008B	0.007B	0.017	0.004	0	0	0	0	---	---	13
14	---	---	0.008B	0.009B	0.015	0.008	0	0	0	0	---	---	14
15	---	---	0.008B	0.009B	0.018	0.011	0	0	0	0	---	---	15
16	---	---	0.009B	0.011	0.025	0.007	0	0	0	0	---	---	16
17	---	---	0.013B	0.009	0.028	0.003	0	0	0	0	---	---	17
18	---	---	0.014B	0.012	0.028	0	0	0	0	0	---	---	18
19	---	---	0.011B	0.013	0.031	0	0	0	0	0	---	---	19
20	---	---	0.009B	0.012	0.026	0	0	0	0	0	---	---	20
21	---	---	0.008B	0.012	0.026	0	0	0	0	0	---	---	21
22	---	---	0.006B	0.011	0.019	0.001	0	0	0	0	---	---	22
23	---	---	0.007B	0.006	0.018	0.006	0	0	0	0	---	---	23
24	---	---	0.008B	0.010	0.008	0.009	0	0	0	0	---	---	24
25	---	---	0.008B	0.006	0.014	0.009	0	0	0	0	---	---	25
26	---	---	0.007B	0	0.011	0.007	0	0	0	0	---	---	26
27	---	---	0.008B	0.002	0.008	0.007	0	0	0	0	---	---	27
28	---	---	0.009B	0.007	0.002	0.010	0	0	0	0	---	---	28
29	---		0.005B	0	0.005	0.009	0	0	0	0	---	---	29
30	---		0.008B	0.007	0.004	0.005	0	0	0	0	---	---	30
31	---		0.008B		0.008		0	0		0		---	31
TOTAL	---	---	0.212	0.225	0.465	0.173	0.089	0	0	0	---	---	TOTAL
MEAN	---	---	0.007	0.008	0.015	0.006	0	0	0	0	---	---	MEAN
MAX	---	---	0.014	0.013	0.031	0.013	0.005	0	0	0	---	---	MAX
MIN	---	---	0.002	0	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.031 ON MAY 19
MINIMUM DAILY, 0 ON APR 26
MAXIMUM INSTANTANEOUS,
0.047 AT 09:40 MST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 18 N
LONG 111 35 26 W
DRAINAGE AREA, 3 730 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.78
FEB	---	AUG	0
MAR	10.3	SEP	0
APR	19.4	OCT	0
MAY	40.2	NOV	---
JUN	14.9	DEC	---

TOTAL DISCHARGE, 93.6 dam³

BIGELOW RESERVOIR NEAR WIMBORNE - STATION NO. 05CE901

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	882.300	882.250	882.271	882.129	882.025	881.882	881.663	---	---	1
2	---	---	---	882.308	882.249	882.269	882.118	882.020	881.877	881.658	---	---	2
3	---	---	---	882.315	882.247	882.269	882.109	882.026	881.869	881.654	---	---	3
4	---	---	---	882.318	882.240	882.266	882.103	882.046	881.868	881.649	---	---	4
5	---	---	---	882.320	882.247	882.260	882.090	882.058	881.863	881.640	---	---	5
6	---	---	---	882.325	882.310	882.264	882.080	882.060	881.857	881.636	---	---	6
7	---	---	---	882.312	882.398	882.259	882.077	882.064	881.851	881.634	---	---	7
8	---	---	---	882.310	882.494	882.253	882.076	882.061	881.846	881.640	---	---	8
9	---	---	---	882.312	882.516	882.249	882.065	882.056	881.839	881.637	---	---	9
10	---	---	---	882.303	882.487	882.250	882.052	882.055	881.828	881.631	---	---	10
11	---	---	---	882.304	882.444	882.264	882.042	882.052	881.820	881.631	---	---	11
12	---	---	---	882.297	882.416	882.262	882.038	882.044	881.813	881.624	---	---	12
13	---	---	---	882.292	882.395	882.259	882.041	882.036	881.801	881.621	---	---	13
14	---	---	---	882.288	882.376	882.252	882.046	882.028	881.790	881.617	---	---	14
15	---	---	---	882.287	882.363	882.248	882.050	882.021	881.783	881.609	---	---	15
16	---	---	---	882.291	882.355	882.243	882.051	882.013	881.775	881.606	---	---	16
17	---	881.475A	---	882.288	882.346	882.233	882.051	882.006	881.772	881.604	---	---	17
18	---	---	---	882.287	882.343	882.221	882.045	881.998	881.768	881.598	---	---	18
19	---	---	882.109A	882.274	882.331	882.215	882.039	881.990	881.755	881.594	---	---	19
20	---	---	882.118	882.283	882.329	882.207	882.038	881.984	881.718	881.593	---	---	20
21	---	---	882.119	882.281	882.321	882.199	882.033	881.977	881.714	881.588	---	---	21
22	---	---	882.120	882.277	882.314	882.190	882.025	881.969	881.709	881.581	---	---	22
23	---	---	882.126	882.276	882.309	882.182	882.020	881.958	881.709	881.579	---	---	23
24	---	---	882.140	882.277	882.300	882.174	882.010	881.947	881.705	881.580	---	---	24
25	---	---	882.175	882.272	882.294	882.160	882.006	881.935	881.698	881.581	---	---	25
26	---	---	882.205	882.268	882.292	882.157	881.999	881.924	881.690	881.581	---	---	26
27	---	---	882.213	882.262	882.285	882.157	881.994	881.918	881.681	881.576A	---	---	27
28	---	---	882.221	882.253	882.280	882.149	881.991	881.913	881.678	---	---	---	28
29	---		882.213	882.258	882.272	882.141	882.017	881.904	881.675	---	---	---	29
30	---		882.263	882.253	882.265	882.136	882.027	881.897	881.669	---	---	---	30
31	---		882.286		882.269		882.026	881.887		---		---	31
MEAN	---	---	---	882.290	882.333	882.222	882.048	881.996	881.777	---	---	---	MEAN
MAX	---	---	---	882.325	882.516	882.271	882.129	882.064	881.882	---	---	---	MAX
MIN	---	---	---	882.253	882.240	882.136	881.991	881.887	881.669	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 882.516 ON MAY 9

MAXIMUM INSTANTANEOUS,
882.521 AT 03:48 MDT ON MAY 9

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 15 N
LONG 113 27 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

A - MANUAL GAUGE

REGULATED

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.025B	0.126	0.004	0	0	0	0	0	---	---	1
2	---	---	0.025B	0.100	0.004	0	0	0	0.003	0	---	---	2
3	---	---	0.025B	0.070	0.004	0	0	0	0.002	0	---	---	3
4	---	---	0.025B	0.048	0.003	0	0	0	0.001	0	---	---	4
5	---	---	0.026B	0.031	0.003	0	0	0	0.001	0	---	---	5
6	---	---	0.031B	0.023	0.003	0	0	0	0	0	---	---	6
7	---	---	0.033B	0.015	0.003	0	0	0	0	0	---	---	7
8	---	---	0.037B	0.011	0.003	0	0	0	0	0	---	---	8
9	---	---	0.069B	0.009	0.003	0	0	0	0	0	---	---	9
10	---	---	0.138B	0.009	0.003	0	0	0	0	0	---	---	10
11	---	---	0.241B	0.009	0.002	0	0	0	0	0	---	---	11
12	---	---	0.283B	0.009	0.002	0	0	0	0	0	---	---	12
13	---	---	0.352B	0.008	0.002	0	0	0	0	0	---	---	13
14	---	---	0.567B	0.008	0.002	0	0	0	0	0	---	---	14
15	---	---	0.585B	0.008	0.002	0	0	0	0	0	---	---	15
16	---	---	0.468B	0.008	0.002	0	0	0	0	0	---	---	16
17	---	---	0.391B	0.007	0.002	0	0	0	0	0	---	---	17
18	---	---	0.262B	0.007	0.002	0	0	0	0	0	---	---	18
19	---	---	0.261B	0.007	0.002	0	0	0	0	0	---	---	19
20	---	---	0.212B	0.007	0.002	0	0	0	0	0	---	---	20
21	---	---	0.193B	0.006	0.001	0	0	0	0	0	---	---	21
22	---	---	0.163	0.006	0.001	0	0	0	0	0	---	---	22
23	---	---	0.155	0.006	0.001	0	0	0	0	0	---	---	23
24	---	---	0.152	0.006	0.001	0	0	0	0	0	---	---	24
25	---	---	0.156	0.005	0.001	0	0	0	0	0	---	---	25
26	---	---	0.161	0.005	0.001	0	0	0	0	0	---	---	26
27	---	---	0.157	0.005	0.001	0	0	0	0	0	---	---	27
28	---	---	0.151	0.005	0.001	0	0	0	0	0	---	---	28
29	---		0.148	0.005	0.001	0	0	0	0	0	---	---	29
30	---		0.142	0.004	0.001	0	0	0	0	0		---	30
31	---		0.136		0.001		0	0		0		---	31
TOTAL	---	---	5.770	0.573	0.064	0	0	0	0.007	0	---	---	TOTAL
MEAN	---	---	0.186	0.019	0.002	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.585	0.126	0.004	0	0	0	0.003	0	---	---	MAX
MIN	---	---	0.025	0.004	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 0.585B ON MAR 15
MINIMUM DAILY, 0 ON JUN 1
MAXIMUM INSTANTANEOUS,
0.684B AT 15:50 MST ON MAR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 26 04 N
LONG 112 21 18 W
DRAINAGE AREA, 223 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	499	SEP	0.60
APR	49.5	OCT	0
MAY	5.53	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 555 dam³

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07XE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.590B	0.480B	0.340B	0.430B	165 E	19.3	23.0	11.2	1.74	1.40	3.70E	1.40 B	1
2	0.590B	0.460B	0.340B	0.440B	152 E	17.4	21.9	10.4	1.74	1.39	3.60E	1.35 B	2
3	0.590B	0.440B	0.350B	0.440B	147 E	16.1	20.3	10.3	1.77	1.42	3.50E	1.35 B	3
4	0.580B	0.430B	0.350B	0.450B	132 E	15.0	18.5	10.6	1.71	1.40	3.40E	1.30 B	4
5	0.580B	0.400B	0.350B	0.450B	116 E	14.0	16.7	10.5	1.73	1.40	3.30E	1.25 B	5
6	0.580B	0.380B	0.350B	0.460B	104 E	13.4	15.1	10.1	1.71	1.39	3.20E	1.20 B	6
7	0.580B	0.370B	0.350B	0.460B	95.0E	13.3	13.8	9.94	1.79	1.41	3.10E	1.15 B	7
8	0.580B	0.360B	0.350B	0.460B	90.0E	14.3	12.7	9.73	1.75	1.48	3.00E	1.08 B	8
9	0.570B	0.340B	0.360B	0.470B	85.0E	16.8	12.4	9.50	1.68	1.64	2.90E	1.05 B	9
10	0.570B	0.330B	0.360B	0.470B	80.0E	20.9	13.2	9.29	1.62	1.74	2.80E	1.00 B	10
11	0.570B	0.330B	0.360B	0.470B	76.0E	23.2	13.9	8.73	1.51	1.87	2.70E	0.960B	11
12	0.570B	0.320B	0.360B	0.470B	71.0E	25.6	14.2A	8.02	1.48	2.11	2.60E	0.920B	12
13	0.570B	0.320B	0.360B	0.470B	68.0E	28.0	14.4E	7.37	1.46	2.43	2.40B	0.890B	13
14	0.570B	0.320B	0.370B	0.480B	64.0E	28.9	15.0A	6.66	1.45	2.63	2.30B	0.850B	14
15	0.570B	0.320B	0.370B	0.480B	60.0E	27.9	15.7	5.87	1.44	2.82	2.20B	0.820B	15
16	0.570B	0.320B	0.370B	0.480B	57.0E	25.8	15.7	5.41	1.44	2.92	2.10B	0.790B	16
17	0.570B	0.320B	0.370B	0.480B	54.0E	23.4	15.4	4.75	1.40	2.94	2.00B	0.760B	17
18	0.570B	0.320B	0.370B	0.480B	51.0E	21.4	15.4	4.48A	1.38	3.13	1.90B	0.730B	18
19	0.570B	0.320B	0.370B	0.490B	48.0E	19.9	14.9	4.20E	1.40	3.67	1.85B	0.700B	19
20	0.570B	0.330B	0.370B	0.550B	46.0E	18.7	14.1	3.90E	1.40	3.94	1.80B	0.670B	20
21	0.570B	0.330B	0.380B	0.650B	43.0E	17.5	13.1	3.60E	1.39	4.16	1.75B	0.650B	21
22	0.570B	0.330B	0.390B	0.820B	41.0E	17.8	12.7	3.30E	1.39	3.91B	1.70B	0.640B	22
23	0.560B	0.330B	0.390B	1.10 B	39.0E	19.8	13.9	3.00E	1.40	3.44B	1.65B	0.620B	23
24	0.560B	0.330B	0.390B	2.50 B	36.0E	20.2	14.5	2.75E	1.41	3.06B	1.60B	0.610B	24
25	0.560B	0.330B	0.400B	4.30 B	34.0E	20.2	14.8	2.50E	1.41	2.75B	1.55B	0.600B	25
26	0.550B	0.330B	0.400B	7.40 B	32.6A	21.5	15.0	2.30E	1.39	3.27B	1.55B	0.590B	26
27	0.550B	0.340B	0.400B	12.5 B	29.8	23.3	14.9	2.16A	1.40	3.40B	1.50B	0.570B	27
28	0.540B	0.340B	0.410B	23.0 B	27.3	24.2	14.6	1.95	1.45	3.50B	1.50B	0.540B	28
29	0.530B		0.420B	40.0 B	25.3	24.3	14.2	1.87	1.43	3.60B	1.45B	0.510B	29
30	0.520B		0.420B	72.0 B	23.0	23.9	13.0	1.83	1.45	3.70E	1.40B	0.490B	30
31	0.500B		0.430B		21.1		12.1	1.74		3.80E		0.470B	31
TOTAL	17.520	9.870	11.600	173.650	2 113.1	616.0	469.1	187.95	45.72	81.72	70.00	26.510	TOTAL
MEAN	0.565	0.353	0.374	5.79	68.2	20.5	15.1	6.06	1.52	2.64	2.33	0.855	MEAN
MAX	0.590	0.480	0.430	72.0	165	28.9	23.0	11.2	1.79	4.16	3.70	1.40	MAX
MIN	0.500	0.320	0.340	0.430	21.1	13.3	12.1	1.74	1.38	1.39	1.40	0.470	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.5
MAXIMUM DAILY, 165E ON MAY 1
MINIMUM DAILY, 0.320B ON FEB 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 18 40 N
LONG 113 04 05 W
DRAINAGE AREA, 10 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 510	JUL	40 500
FEB	853	AUG	16 200
MAR	1 000	SEP	3 950
APR	15 000	OCT	7 060
MAY	183 000	NOV	6 050
JUN	53 200	DEC	2 290

TOTAL DISCHARGE, 331 000 dam³

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.560B	0.046	0.003	0	0	0	0	0	---	1
2	---	---	0 B	0.680B	0.064	0.002	0	0	0	0	0	---	2
3	---	---	0 B	0.760B	0.038	0.003	0	0	0	0	0	---	3
4	---	---	0 B	0.820B	0.024	0.004	0	0	0	0	---	---	4
5	---	---	0 B	0.930B	0.019	0.003	0	0	0	0	---	---	5
6	---	---	0 B	1.00 B	0.014	0.010	0	0	0	0	---	---	6
7	---	---	0 B	1.05 B	0.018	0.015	0	0	0	0	---	---	7
8	---	---	0 B	0.990B	0.044	0.012	0	0	0	0	---	---	8
9	---	---	0 B	0.820B	0.005	0.014	0	0	0	0	---	---	9
10	---	---	0.004B	0.550B	0.004	0.012	0	0	0	0	---	---	10
11	---	---	0.010B	0.417B	0.005	0.010	0	0	0	0	---	---	11
12	---	---	0.018B	0.278B	0.006	0.009	0	0	0	0	---	---	12
13	---	---	0.025B	0.201	0.006	0.008	0	0	0	0	---	---	13
14	---	---	0.030B	0.081	0.008	0.007	0	0	0	0	---	---	14
15	---	---	0.045B	0.097	0.007	0.006	0	0	0	0	---	---	15
16	---	---	0.060B	0.210	0.014	0.005	0	0	0	0	---	---	16
17	---	---	0.083B	0.078	0.007	0.005	0	0	0	0	---	---	17
18	---	---	0.098B	0.078	0.004	0.004	0	0	0	0	---	---	18
19	---	---	0.120B	0.124	0.003	0.002	0	0	0	0	---	---	19
20	---	---	0.140B	0.085	0.003	0.001	0	0	0	0	---	---	20
21	---	---	0.165B	0.071	0.002	0.003	0	0	0	0	---	---	21
22	---	---	0.190B	0.053	0.004	0.002	0	0	0	0	---	---	22
23	---	---	0.220B	0.039	0.00[illegible]	0.001	0	0	0	0	---	---	23
24	---	---	0.250B	0.045	0.004	0	0	0	0	0	---	---	24
25	---	---	0.280B	0.039	0.00[illegible]	0	0	0	0	0	---	---	25
26	---	---	0.315B	0.039	0.002	0	0	0	0	0	---	---	26
27	---	---	0.348B	0.043	0.00[illegible]	0	0	0	0	0	---	---	27
28	---	---	0.380B	0.048	0.001	0	0	0	0	0	---	---	28
29	---		0.428B	0.051	0.002	0	0	0	0	0	---	---	29
30	---		0.468B	0.046	0.004	0	0	0	0	0	---	---	30
31	---		0.520B		0.003		0	0		0		---	31
TOTAL	---	---	4.197	10.283	0.372	0.141	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.135	0.343	0.012	0.005	0	0	0	0	---	---	MEAN
MAX	---	---	0.520	1.05	0.064	0.015	0	0	0	0	---	---	MAX
MIN	---	---	0	0.039	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.061
MAXIMUM DAILY, 1.05B ON APR 7
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 20 N
LONG 110 00 35 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	363	SEP	0
APR	888	OCT	0
MAY	32.1	NOV	---
JUN	12.2	DEC	---

TOTAL DISCHARGE, 1 300 dam³

REMARKS - PRIOR TO 1981 DATA PUBLISHED UNDER THE NAME "BLACKFOOT CREEK NEAR THE ALBERTA BOUNDARY"

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	5.06	1.15	0.157	0.010	0.860	0.011	0.020	---	---	1
2	---	---	0.003B	4.82	1.07	0.146	0.010	0.478	0.010	0.011	---	---	2
3	---	---	0.003B	4.50	0.939	0.111	0.010	0.300	0.010	0.019	---	---	3
4	---	---	0.003B	4.18	0.850	0.147	0.009	0.257	0.010	0.024	---	---	4
5	---	---	0.003B	3.96	0.859	0.126	0.009	0.243	0.008	0.017	---	---	5
6	---	---	0.003B	3.39	0.743	0.093	0.009	0.175	0.008	0.011	---	---	6
7	---	---	0.003B	3.48	0.599	0.074	0.038	0.145	0.008	0.010	---	---	7
8	---	---	0.003B	3.23	0.570	0.063	1.17	0.126	0.007	0.023	---	---	8
9	---	---	0.020B	2.93	0.545	0.055	0.516	0.111	0.006	0.212	---	---	9
10	---	---	0.050B	2.70	0.463	0.051	0.224	0.097	0.006	0.122	---	---	10
11	---	---	0.090B	2.45	0.412	0.053	0.108	0.085	0.006	0.071	---	---	11
12	---	---	1.30 B	2.08	0.354	0.040	0.068	0.079	0.007	0.046	---	---	12
13	---	---	1.08 B	1.99	0.323	0.064	0.062	0.075	0.007	0.039	---	---	13
14	---	---	2.13 B	1.89	0.299	0.046	0.095	0.070	0.005	0.036	---	---	14
15	---	---	4.65 B	1.91	0.265	0.045	0.891	0.060	0.004	0.035	---	---	15
16	---	---	4.96 B	1.82	0.252	0.048	0.613	0.056	0.003	0.033	---	---	16
17	---	---	3.78 B	1.79	0.242	0.041	0.350	0.052	0.002	0.034	---	---	17
18	---	---	4.22 B	1.67	0.294	0.035	0.174	0.044	0.002	0.024	---	---	18
19	---	---	4.79 B	1.66	0.203	0.037	0.108	0.039	0.002	0.021	---	---	19
20	---	---	4.40 B	1.39	0.168	0.037	0.075	0.036	0.005	0.070	---	---	20
21	---	---	4.10 B	1.26	0.169	0.050	0.066	0.034	0.004	0.138	---	---	21
22	---	---	3.80 B	1.26	0.183	0.038	0.140	0.031	0.004	0.134	---	---	22
23	---	---	5.00 B	1.34	0.119	0.038	1.11	0.027	0.004	0.121	---	---	23
24	---	---	5.90 B	1.37	0.097	0.034	0.630	0.024	0.017	0.107	---	---	24
25	---	---	6.20 B	1.40	0.078	0.026	0.334	0.022	0.026	0.101	---	---	25
26	---	---	6.30 B	1.36	0.069	0.021	0.210	0.020	0.026	0.091	---	---	26
27	---	---	6.20 B	1.37	0.070	0.021	0.161	0.017	0.023	0.084	---	---	27
28	---	---	6.00 B	1.26	0.061	0.013	0.132	0.015	0.022	0.120A	---	---	28
29	---		5.80 B	1.23	0.057	0.011	0.153	0.009	0.020	0.100E	---	---	29
30	---		5.59	1.21	0.059	0.011	1.21	0.010	0.017	0.090E	---	---	30
31	---		5.37		0.064		1.12	0.009		0.080E		---	31
TOTAL	---	---	91.754	69.96	11.626	1.732	9.815	3.606	0.290	2.044	---	---	TOTAL
MEAN	---	---	2.96	2.33	0.375	0.058	0.317	0.116	0.010	0.066	---	---	MEAN
MAX	---	---	6.30	5.06	1.15	0.157	1.21	0.860	0.026	0.212	---	---	MAX
MIN	---	---	0.003	1.21	0.057	0.011	0.009	0.009	0.002	0.010	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.779
MAXIMUM DAILY, 6.30B ON MAR 26
MINIMUM DAILY, 0.002 ON SEP 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 50 N
LONG 113 30 56 W
DRAINAGE AREA, 642 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	848
FEB	---	AUG	312
MAR	7 930	SEP	25.1
APR	6 040	OCT	177
MAY	1 000	NOV	---
JUN	150	DEC	---

TOTAL DISCHARGE, 16 500 dam³

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.350B	0.370B	0.500B	7.60 B	1.43	3.67	0.244	135	0.466	0.639	1.86	0.611	1
2	0.350B	0.370B	0.500B	6.10 A	1.36	4.44	0.113	87.5	0.652	0.613	1.55	0.630B	2
3	0.350B	0.370B	0.500B	5.49	1.34	7.50 A	0.135	48.9	0.659	0.601	1.39	0.650B	3
4	0.350B	0.370B	0.500B	4.80	1.36	6.60 E	0.188	33.0	0.675	0.612	1.27	0.600B	4
5	0.350B	0.370B	0.500B	4.64	1.96	6.60 E	0.125	23.7	0.693	0.583	1.23	0.550B	5
6	0.340B	0.350B	0.800B	3.74	3.59	7.10 E	0.158	15.8	0.682	0.546	1.12	0.550B	6
7	0.340B	0.350B	1.00 B	3.13	11.0	7.40 E	0.267	10.9	0.687	0.498	1.07	0.500B	7
8	0.340B	0.350B	1.40 B	2.75	29.9	3.00 E	0.364	7.73	0.660	0.601	1.00 B	0.500B	8
9	0.340B	0.350B	1.70 B	2.10	23.1	2.70 E	0.206	5.75	0.593	0.608	0.905	0.450B	9
10	0.340B	0.350B	2.10 B	1.74	15.2	2.50 E	0.134	4.40	0.513	0.639	0.992	0.400B	10
11	0.350B	0.340B	2.50 B	1.40	11.4	2.40 E	0.092	3.44	0.275	1.32	0.948	0.400B	11
12	0.350B	0.340B	2.90 B	1.34	8.41	2.30 E	0.051	2.66	0.276	1.09	1.00	0.350B	12
13	0.350B	0.340B	2.90 B	0.892	6.48	2.20 E	0.050	2.10	0.235	0.910	0.789	0.350B	13
14	0.350B	0.340B	3.10 B	1.02	5.35	2.10 E	0.142	1.68	0.191	1.02	0.808	0.350B	14
15	0.350B	0.340B	10.9 B	0.737	4.78	2.00 E	10.2	1.47	0.189	0.907	1.02	0.300B	15
16	0.360B	0.330B	18.0 B	0.796	7.33	2.00 E	40.9	1.29	0.249	0.890	0.950	0.300B	16
17	0.360B	0.330B	24.0 B	1.10	6.97	1.90 E	37.4	1.10	0.214	0.823	0.371	0.270B	17
18	0.360B	0.330B	26.0 B	0.731	6.04	1.90 E	23.2	0.926	0.199	0.669	0.863	0.270B	18
19	0.360B	0.330B	21.0 B	1.04	5.47	1.80 E	16.0	0.775	0.261	0.657	0.856	0.270B	19
20	0.360B	0.330B	16.0 B	1.33	4.47	1.70 E	10.9	0.667	0.649	0.647	0.763	0.250B	20
21	0.370B	0.370B	17.0 B	1.52	4.03	1.60 E	7.27	0.799	0.580	0.677	0.800B	0.250B	21
22	0.370B	0.370B	13.0 B	1.60	3.72	1.60 E	5.43	0.695	0.562	0.651	0.800B	0.250B	22
23	0.370B	0.370B	7.60 B	1.54	3.31	1.50 E	4.72	0.593	0.565	0.647	0.800B	0.250B	23
24	0.370B	0.370B	4.80 B	1.14	2.73	1.50 E	4.17	0.519	0.663	0.695	0.800B	0.250B	24
25	0.370B	0.370B	5.40 B	1.13	2.61	0.900A	9.12	0.367	0.794	0.702	0.800B	0.250B	25
26	0.380B	0.410B	3.20 B	1.11	2.31	0.656	7.22	0.276	0.657	0.699	0.800B	0.220B	26
27	0.380B	0.410B	10.9 B	1.45	2.14	0.431	4.93	0.439	0.670	0.743	0.767	0.220B	27
28	0.380B	0.410B	16.7 B	2.02	2.04	0.225	4.03	0.541	0.694	1.07	0.694	0.220B	28
29	0.380B		10.3 B	1.96	2.12	0.140	7.41	0.395	0.661	1.30 B	0.647	0.220B	29
30	0.380B		10.0 B	1.70	2.31	0.203	35.5	0.508	0.669	1.31	0.648	0.220B	30
31	0.380B		9.00 B		3.80		101	0.461		1.86		0.220B	31
TOTAL	11.130	10.030	244.700	67.646	188.06	80.565	331.669	396.381	15.533	25.227	28.911	11.121	TOTAL
MEAN	0.359	0.358	7.89	2.25	6.07	2.69	10.7	12.7	0.518	0.814	0.964	0.359	MEAN
MAX	0.380	0.410	26.0	7.60	29.9	7.50	101	135	0.794	1.86	1.86	0.650	MAX
MIN	0.340	0.330	0.500	0.731	1.34	0.140	0.050	0.276	0.189	0.498	0.647	0.220	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.86
MAXIMUM DAILY, 135 ON AUG 1
MINIMUM DAILY, 0.050 ON JUL 13
MAXIMUM INSTANTANEOUS,
140 AT 11:30 MST ON AUG 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 14 N
LONG 113 47 35 W
DRAINAGE AREA, 1 790 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	962	JUL	28 700
FEB	867	AUG	34 100
MAR	21 100	SEP	1 340
APR	5 840	OCT	2 180
MAY	16 200	NOV	2 500
JUN	6 960	DEC	961

TOTAL DISCHARGE, 122 000 dam³

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.200B	2.00 B	0.593	2.49	0.142	17.7	0.067	0.104	---	---	1
2	---	---	0.200B	1.90 B	0.675	4.08	0.138	9.27	0.087	0.108	---	---	2
3	---	---	0.200B	1.80 B	0.880	3.45	0.134	9.12	0.128	0.120	0.213	---	3
4	---	---	0.220B	1.70 B	0.880	3.42	0.124	5.49	0.156	0.128	---	---	4
5	---	---	0.250B	1.60 B	0.896	3.98	0.116	3.15	0.132	0.124	---	---	5
6	---	---	0.280B	1.30 B	16.3	1.73	0.112	2.42	0.122	0.108	---	---	6
7	---	---	0.300B	1.10 B	24.5	1.50	0.090	1.48	0.110	0.095	---	---	7
8	---	---	0.320B	0.700B	16.8	1.26	0.112	1.21	0.088	0.102	---	---	8
9	---	---	0.350B	0.400B	6.35	1.12	0.136	0.888	0.075	0.142	---	---	9
10	---	---	0.380B	0.400B	4.34	1.16	0.112	0.698	0.068	0.165	---	---	10
11	---	---	0.400B	0.464	3.28	1.19	0.098	0.565	0.062	0.211	---	---	11
12	---	---	6.00 B	0.386	2.81	0.964	0.122	0.414	0.052	0.189	---	---	12
13	---	---	5.90 B	0.310	2.22	0.759	0.150	0.310	0.049	0.156	---	---	13
14	---	---	7.50 B	0.273	4.42	0.789	0.941	0.235	0.043	0.146	---	---	14
15	---	---	7.80 B	0.324	5.36	0.827	39.2	0.200	0.039	0.142	---	---	15
16	---	---	8.00 B	0.430	3.88	0.766	17.7	0.187	0.037	0.140	---	---	16
17	---	---	6.00 B	0.408	3.05	0.713	9.12	0.165	0.035	0.138	---	---	17
18	---	---	2.80 B	0.380	2.59	0.668	4.26	0.142	0.035	0.146	---	---	18
19	---	---	1.30 B	0.371	1.90	0.492	2.62	0.136	0.043	0.156	---	---	19
20	---	---	1.00 B	0.361	1.76	0.402	1.80	0.122	0.055	0.173	---	---	20
21	---	---	0.750B	0.371	1.61	0.587	2.20	0.116	0.075	0.189	---	---	21
22	---	---	0.450B	0.371	1.31	0.698	1.59	0.092	0.088	0.213	---	---	22
23	---	---	0.200B	0.419	1.09	0.542	3.08	0.083	0.114	0.237	---	---	23
24	---	---	1.30 B	0.598	1.01	0.371	3.31	0.083	0.126	0.291	---	---	24
25	---	---	2.20 B	0.850	0.949	0.240	3.68	0.085	0.138	0.324	---	---	25
26	---	---	2.80 B	0.804	0.956	0.203	2.03	0.085	0.146	0.319	---	---	26
27	---	---	2.70 B	0.713	0.956	0.195	1.47	0.070	0.160	0.310	---	---	27
28	---	---	2.50 B	0.690	1.10	0.189	2.70	0.057	0.152	0.296	---	---	28
29	---		2.40 B	0.675	1.16	0.163	12.1	0.042	0.128	0.291	---	---	29
30	---		2.30 B	0.604	1.29	0.158	128	0.053	0.120	0.273	---	---	30
31	---		2.10 B		1.41		52.5	0.063		0.208		---	31
TOTAL	---	---	69.100	22.702	116.325	35.106	289.887	54.731	2.730	5.744	---	---	TOTAL
MEAN	---	---	2.23	0.757	3.75	1.17	9.35	1.77	0.091	0.185	---	---	MEAN
MAX	---	---	8.00	2.00	24.5	4.08	128	17.7	0.160	0.324	---	---	MAX
MIN	---	---	0.200	0.273	0.593	0.158	0.090	0.042	0.035	0.095	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.43
MAXIMUM DAILY, 128 ON JUL 30
MINIMUM DAILY, 0.035 ON SEP 17

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 45 22 N
LONG 114 17 03 W
DRAINAGE AREA, 352 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 000
FEB	---	AUG	4 730
MAR	5 970	SEP	236
APR	1 960	OCT	496
MAY	10 100	NOV	---
JUN	3 030	DEC	---

TOTAL DISCHARGE, 51 500 dam³

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	0.005	0.005	0.004	0.002	0.002	0.002	0.002	0.006	---	1
2	---	---	0.004B	0.005	0.005	0.003	0.002	0.002	0.002	0.002	0.006	---	2
3	---	---	0.005B	0.005	0.005	0.003	0.002	0.002	0.002	0.002	0.006	---	3
4	---	---	0.005B	0.005	0.005	0.003	0.002	0.002	0.002	0.002	0.006A	---	4
5	---	---	0.005B	0.005	0.005	0.003	0.002	0.002	0.002	0.002	---	---	5
6	---	---	0.005B	0.005	0.005	0.002	0.002	0.002	0.002	0.002	---	---	6
7	---	---	0.005B	0.005	0.005	0.002	0.002	0.002	0.002	0.002	---	---	7
8	---	---	0.004B	0.005	0.005	0.002	0.002	0.002	0.002	0.003	---	---	8
9	---	---	0.004B	0.005	0.005	0.002	0.002	0.002	0.002	0.003	---	---	9
10	---	---	0.003B	0.005	0.005	0.002	0.002	0.002	0.002	0.003	---	---	10
11	---	---	0.003B	0.005	0.005	0.002	0.002	0.002	0.002	0.003	---	---	11
12	---	---	0.003B	0.005	0.005	0.002	0.002	0.002	0.002	0.003	---	---	12
13	---	---	0.003B	0.005	0.005	0.002	0.003	0.002	0.002	0.003	---	---	13
14	---	---	0.003B	0.005	0.005	0.002	0.003	0.002	0.002	0.003	---	---	14
15	---	---	0.003B	0.005	0.005	0.002	0.003	0.002	0.002	0.003	---	---	15
16	---	---	0.004B	0.005	0.005	0.002	0.003	0.002	0.002	0.004	---	---	16
17	---	---	0.004B	0.005	0.005	0.002	0.003	0.002	0.002	0.004	---	---	17
18	---	---	0.004B	0.005	0.005	0.002	0.003	0.002	0.002	0.004	---	---	18
19	---	---	0.003B	0.005	0.005	0.001	0.003	0.002	0.002	0.004	---	---	19
20	---	---	0.004B	0.005	0.005	0.001	0.003	0.002	0.002	0.004	---	---	20
21	---	---	0.004B	0.005	0.005	0.001	0.003	0.002	0.002	0.004	---	---	21
22	---	---	0.004B	0.005	0.005	0.001	0.003	0.002	0.002	0.005	---	---	22
23	---	---	0.004B	0.005	0.005	0.001	0.003	0.002	0.002	0.005	---	---	23
24	---	---	0.005B	0.005	0.005	0.001	0.002	0.002	0.002	0.005	---	---	24
25	---	---	0.005B	0.005	0.005	0.001	0.002	0.003	0.002	0.005	---	---	25
26	---	---	0.005B	0.005	0.005	0.001	0.002	0.003	0.002	0.005	---	---	26
27	---	---	0.005B	0.005	0.005	0.001	0.002	0.003	0.002	0.005	---	---	27
28	---	---	0.005B	0.005	0.005	0.001	0.002	0.003	0.002	0.006	---	---	28
29	---		0.005B	0.005	0.004	0.002	0.003	0.002	0.002	0.006	---	---	29
30	---		0.005B	0.005	0.004	0.002	0.002	0.002	0.002	0.006	---	---	30
31	---		0.005B		0.004		0.002	0.002		0.006		---	31
TOTAL	---	---	0.129	0.150	0.152	0.056	0.074	0.066	0.060	0.116	---	---	TOTAL
MEAN	---	---	0.004	0.005	0.005	0.002	0.002	0.002	0.002	0.004	---	---	MEAN
MAX	---	---	0.005	0.005	0.005	0.004	0.003	0.003	0.002	0.006	---	---	MAX
MIN	---	---	0.003	0.005	0.004	0.001	0.002	0.002	0.002	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.006 ON OCT 28
MINIMUM DAILY, 0.001 ON JUN 19
MAXIMUM INSTANTANEOUS,
0.011 AT 02:00 MST ON JUL 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 26 N
LONG 111 03 30 W
DRAINAGE AREA, 694 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.39
FEB	---	AUG	5.70
MAR	11.1	SEP	5.18
APR	13.0	OCT	10.0
MAY	13.1	NOV	---
JUN	4.84	DEC	---

TOTAL DISCHARGE, 69.3 dam³

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.014	0.052	0.353	0.463	0.335	0.397	0	---	1
2	---	---	---	---	0.006	0.163	0.381	0.449	0.485	0.284	0	---	2
3	---	---	---	---	0.005	0.331	0.442	0.310	0.376	0.348	0A	---	3
4	---	---	---	---	0.010	0.330	0.379	0.253	0.454	0.413	---	---	4
5	---	---	---	---	0.038	0.330	0.364	0.236	0.408	0.345	---	---	5
6	---	---	---	---	0.136	0.438	0.321	0.209	0.424	0.172	---	---	6
7	---	---	---	---	0.102	0.400	0.381	0.166	0.366	0.170	---	---	7
8	---	---	---	---	0.111	0.357	0.473	0.235	0.327	0.174	---	---	8
9	---	---	---	---	0.099	0.298	0.290	0.316	0.281	0.185	---	---	9
10	---	---	---	---	0.088	0.352	0.269	0.351	0.189	0.204	---	---	10
11	---	---	---	---	0.091	0.351	0.291	0.466	0.247	0.200	---	---	11
12	---	---	---	---	0.097	0.367	0.338	0.402	0.305	0.192	---	---	12
13	---	---	---	---	0.080	0.438	0.186	0.347	0.295	0.199	---	---	13
14	---	---	---	---	0.010	0.331	0.190	0.351	0.315	0.213	---	---	14
15	---	---	---	---	0.015	0.162	0.253	0.365	0.375	0.213	---	---	15
16	---	---	---	---	0.044	0.085	0.204	0.271	0.457	0.220	---	---	16
17	---	---	---	---	0.024	0.091	0.200	0.281	0.404	0.223	---	---	17
18	---	---	---	---	0.012	0.204	0.440	0.362	0.327	0.215	---	---	18
19	---	---	---	---	0.010	0.172	0.464	0.271	0.249	0.193	---	---	19
20	---	---	---	---	0.008	0.156	0.385	0.269	0.320	0.168	---	---	20
21	---	---	---	---	0.007	0.153	0.217	0.493	0.249	0.165	---	---	21
22	---	---	---	0 A	0.005	0.137	0.259	0.373	0.321	0.001	---	---	22
23	---	---	---	0	0.007	0.120	0.261	0.273	0.320	0.001	---	---	23
24	---	---	---	0	0.009	0.199	0.349	0.237	0.372	0	---	---	24
25	---	---	---	0	0.012	0.473	0.444	0.122	0.351	0	---	---	25
26	---	---	---	0	0.005	0.545	0.540	0.150	0.382	0	---	---	26
27	---	---	---	0	0.005	0.346	0.308	0.151	0.418	0	---	---	27
28	---	---	---	0	0.005	0.306	0.183	0.176	0.362	0	---	---	28
29	---		---	0.001	0.005	0.315	0.305	0.213	0.449	0	---	---	29
30	---		---	0.010	0.057	0.391	0.249	0.262	0.452	0	---	---	30
31	---		---		0.055		0.432	0.326		0		---	31
TOTAL	---	---	---	---	1.172	8.393	10.151	9.149	10.615	4.895	---	---	TOTAL
MEAN	---	---	---	---	0.038	0.280	0.327	0.295	0.354	0.158	---	---	MEAN
MAX	---	---	---	---	0.136	0.545	0.540	0.493	0.485	0.413	---	---	MAX
MIN	---	---	---	---	0.005	0.052	0.183	0.122	0.189	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.545 ON JUN 26
MINIMUM DAILY, 0A ON APR 22

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 42 N
LONG 112 18 55 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	877
FEB	---	AUG	790
MAR	---	SEP	917
APR	---	OCT	423
MAY	101	NOV	---
JUN	725	DEC	---

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.021	0.386	0.527	0.555	0.530	0.547	0.005E	---	1
2	---	---	---	---	0.047E	0.307	0.679	0.679	0.711	0.445	0.005E	---	2
3	---	---	---	---	0.047E	0.459	0.812	0.669	0.501	0.294	0.005A	---	3
4	---	---	---	---	0.047E	0.521	0.736	0.529	0.378	0.370	---	---	4
5	---	---	---	---	0.047E	0.535	0.755	0.527	0.595	0.472	---	---	5
6	---	---	---	---	0.100E	0.525	0.989	0.591	0.588	0.475	---	---	6
7	---	---	---	---	0.170E	0.531	0.988	0.481	0.591	0.406	---	---	7
8	---	---	---	---	0.170E	0.532	0.856	0.533	0.482	0.435	---	---	8
9	---	---	---	---	0.170E	0.518	0.747	0.443	0.467	0.428	---	---	9
10	---	---	---	---	0.170E	0.610	0.617	0.434	0.431	0.324	---	---	10
11	---	---	---	---	0.170E	0.522	0.408	0.510	0.482	0.267	---	---	11
12	---	---	---	---	0.170E	0.566	0.521	0.473	0.689	0.310	---	---	12
13	---	---	---	---	0.170E	1.14	0.715	0.517	0.770	0.308	---	---	13
14	---	---	---	---	0.183A	1.07	0.594	0.581	0.807	0.311A	---	---	14
15	---	---	---	---	0.166A	0.626	0.677	0.604	0.645	0.311E	---	---	15
16	---	---	---	---	0.113	0.444	0.802	0.660	0.765	0.311E	---	---	16
17	---	---	---	---	0.081	0.463	0.522	0.779	0.681	0.311E	---	---	17
18	---	---	---	---	0.061	0.467	0.561	0.648	0.540	0.311E	---	---	18
19	---	---	---	---	0.042	0.443	0.707	0.540	0.651	0.311E	---	---	19
20	---	---	---	---	0.033	0.388	0.562	0.564	0.800	0.311E	---	---	20
21	---	---	---	---	0.026	0.362	0.445	0.546	0.758	0.109E	---	---	21
22	---	---	---	0.003A	0.020	0.493	0.474	0.645	0.711	0.005E	---	---	22
23	---	---	---	0	0.023	0.418	0.587	0.638	0.498	0.005E	---	---	23
24	---	---	---	0	0.023	0.568A	0.614	0.589	0.557	0.005E	---	---	24
25	---	---	---	0	0.031	0.643A	0.541	0.488	0.574	0.005E	---	---	25
26	---	---	---	0	0.080	0.576	0.598	0.564	0.637	0.005E	---	---	26
27	---	---	---	0	0.061	0.703	0.490	0.547	0.696	0.005E	---	---	27
28	---	---	---	0	0.061	0.881	0.439	0.654	0.578	0.005E	---	---	28
29	---		---	0	0.223	0.923	0.469	0.658	0.536	0.005E	---	---	29
30	---		---	0	0.360	0.745	0.629	0.729	0.480	0.005E	---	---	30
31	---		---		0.375		0.618	0.747		0.005E		---	31
TOTAL	---	---	---	---	3.461	17.365	19.679	18.122	13.129	7.417	---	---	TOTAL
MEAN	---	---	---	---	0.112	0.579	0.635	0.585	0.604	0.239	---	---	MEAN
MAX	---	---	---	---	0.375	1.14	0.989	0.779	0.807	0.547	---	---	MAX
MIN	---	---	---	---	0.020	0.307	0.408	0.434	0.378	0.005	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.457
MAXIMUM DAILY, 1.14 ON JUN 13
MINIMUM DAILY, 0.005E ON OCT 22

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 05 N
LONG 112 20 15 W
DRAINAGE AREA, 790 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 700
FEB	---	AUG	1 570
MAR	---	SEP	1 570
APR	---	OCT	641
MAY	299	NOV	---
JUN	1 500	DEC	---

TOTAL DISCHARGE, 7 280 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

BOW RIVER AT BANFF - STATION NO. 05BB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.9 B	9.12B	8.22B	9.03B	20.0	169	125	149	55.5	26.3	18.6	10.5 B	1
2	9.84B	8.30B	8.30B	8.84B	29.4	161	129	132	56.4	29.6	18.5	11.9 B	2
3	10.1 B	8.07B	8.72B	8.74B	28.6	173	129	120	52.4	30.6	18.4	11.3 B	3
4	10.7 B	8.00B	8.78B	8.20B	26.6	169	155	113	48.7	28 0	18.2	10.9 B	4
5	12.6 B	7.70B	8.74B	8.49B	26.3	150	171	104	47.2	26.6	17.3	12.0 B	5
6	15.1 B	7.67B	8.54B	8.51B	24.7	140	172	99.1	45.0	25.8	16.6	12.5 B	6
7	14.7 B	7.94B	8.01B	8.27B	23.6	137	164	98.4	43.6	25.3	16.6	11.4 B	7
8	12.4 B	8.46B	8.36B	8.14B	23.5	122	150	102	43.1	25.3	16.8	10.6 B	8
9	12.9 B	8.11B	8.19B	8.53B	24.3	108	120	101	44.7	24.9	16.5	10.2 B	9
10	12.0 B	7.24B	8.31B	8.30B	25.5	96.6	102	97.4	46.8	24.7	15.6	12.0 B	10
11	11.2 B	8.28B	8.40B	8.20B	26.2	90.4	95.1	95.8	46.2	23.8	15.7	12.4 B	11
12	10.4 B	9.04B	8.50B	8.18B	26.5	83.7	94.3	95.2	45.0	23.5	16.3	10.2 B	12
13	10.3 B	9.47B	8.47B	7.71B	26.7	79.6	95.8	96.0	44.5	23.1	16 0	8.25B	13
14	10.4 B	9.93B	8.51B	7.66B	28.0	78.7	141	94.6	42.6	22.8	15.5	8.92B	14
15	9.86B	10.1 B	8.55B	8.03B	32.2	78.4	186	90.9	41.0	22.4	15.7	9.88B	15
16	9.58B	10.2 B	8.65B	8.94	33.2	82.1	181	88.5	39.9	21.9	15.6	9.75B	16
17	9.24B	10.2 B	8.69B	9.18	32.8	78.4	176	89.6	40.7	21.9	14.5	9.15B	17
18	10.5 B	9.83B	8.66B	9.10	35.8	73.0	169	86.2	41.5	21.1	14.6	10.2 B	18
19	10.8 B	9.56B	8.56B	9.31	45.3	72.2	164	81.6	42.8	20.5	14.9	12.4 B	19
20	10.9 B	9.44B	8.56B	9.89	55.9	69.0	158	81.6	49.2	20.3	14.7	12.0 B	20
21	10.8 B	9.26B	7.66B	10.7	74.6	63.9	151	83.3	44.5	19.2	14.8	10.7 B	21
22	10.6 B	9.09B	9.04B	11.0	101	60.1	155	77.1	41.2	18.6	14.8	9.73B	22
23	10.7 B	8.86B	9.10B	11.3	121	59.1	150	72.3	38.3	19.0	14.3	9.60B	23
24	10.6 B	8.75B	9.01B	14.4	153	55.3	144	69.9	34.8	19.2	13.5	10.4 B	24
25	9.94B	8.58B	8.82B	17.4	179	59.6	138	69.0	32.8	19.1	10.8	10.3 B	25
26	8.99B	8.61B	8.82B	16.1	213	76.3	127	71.5	31.2	19.4	8.29B	10.1 B	26
27	9.20B	8.26B	8.73B	15.3	227	93.2	121	73.1	29.8	19.8	8.84B	9.71B	27
28	8.81B	8.42B	8.80B	14.9	197	89.6	126	70.4	29.1	19.6	8.40B	8.76B	28
29	9.46B		8.91B	15.3	158	81.9	134	65.1	28.4	19.6	8.69B	8.74B	29
30	9.43B		9.06B	15.7	156	88.9	161	64.4	27.2	19.6	9.20B	9.57B	30
31	9.25B		8.97B		167		168	59.7		19.1		9.74B	31
TOTAL	332.20	246.49	266.64	313.35	2 341.7	2 939.0	4 452.2	2 791.7	1 254.1	700.6	438.22	323.82	TOTAL
MEAN	10.7	8.80	8.60	10.4	75.5	98.0	144	90.1	41.8	22.6	14.6	10.4	MEAN
MAX	15.1	10.2	9.10	17.4	227	173	186	149	56.4	30.6	18.6	12.5	MAX
MIN	8.81	7.24	7.66	7.66	20.0	55.3	94.3	59.7	27.2	18.6	8.29	8.25	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 44.9
MAXIMUM DAILY, 227 ON MAY 27
MINIMUM DAILY, 7.24B ON FEB 10
MAXIMUM INSTANTANEOUS,
233 AT 11:05 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 10 30 N
LONG 115 34 10 W
DRAINAGE AREA, 2 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28 700	JUL	385 000
FEB	21 300	AUG	241 000
MAR	23 000	SEP	108 000
APR	27 100	OCT	60 500
MAY	202 000	NOV	37 900
JUN	254 000	DEC	28 000

TOTAL DISCHARGE, 1 420 000 dam³

BOW RIVER AT CALGARY - STATION NO. 05BH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	68.8B	62.3B	53.5B	68.1	54.7	357	148	324	137	65.6	54.8	42.2B	1
2	65.4B	62.3B	52.7B	76.9	54.2	391	183	295	138	67.0	55.6	41.6B	2
3	61.7B	65.7B	52.7B	78.2	53.3	372	206	243	134	71.0	60.9	41.3B	3
4	60.3B	68.2B	55.7B	76.3	53.1	362	204	242	127	68.9	67.3	45.6B	4
5	60.3B	72.8B	54.4B	76.0	55.3	356	214	257	126	60.9	63.0	47.3B	5
6	58.0B	4.2B	51.5B	70.6	70.1	330	250	209	129	57.0	62.0	47.0B	6
7	56.4B	71.4B	50.7B	70.4	80.3	304	293	202	134	56.3	57.0	47.0B	7
8	60.0B	69.7B	50.7B	70.9	78.9	290	283	185	114	57.8	56.4	46.4B	8
9	64.0B	64.3B	50.9B	71.0	85.0	279	257	194	107	62.7	58.1	46.4B	9
10	65.7B	61.2B	51.0B	69.7	85.6	249	243	208	108	64.9	58.0	47.0B	10
11	66.3B	58.9B	52.6B	67.7	82.5	234	220	217	111	68.3	56.0	45.9B	11
12	68.5B	56.6B	49.0	71.2	81.9	217	200	217	112	65.2	54.2B	44.2B	12
13	66.0B	57.2B	48.4	75.4	82.1	213	180	207	106	57.6	58.2B	42.2B	13
14	63.7B	58.6B	48.1	75.1	85.8	227	172	199	141	61.7	58.8B	51.5B	14
15	62.3B	58.6B	48.1	74.8	98.8	239	215	208	109	54.8	58.5B	49.0B	15
16	64.0B	58.6B	48.5	71.5	116	220	276	212	89.7	57.8	59.5B	42.5B	16
17	66.3B	57.2B	50.7	70.0	121	205	312	192	86.8	54.3	59.0B	42.2B	17
18	61.7B	57.8B	49.1	70.4	116	199	323	191	77.3	47.1	60.1B	42.2B	18
19	56.4B	58.6B	49.3	69.0	114	200	303	216	73.3	46.8	59.7B	41.6B	19
20	58.0B	55.3B	48.2	67.3	136	195	303	213	77.8	46.9	56.8B	40.8B	20
21	64.3B	53.5B	46.9	66.8	194	185	302	160	93.4	45.4	56.7B	41.1B	21
22	70.8B	54.1B	48.4	63.8	226	179	286	172	80.0	57.0	56.7B	41.3B	22
23	74.8B	54.9B	49.5	58.8	242	157	277	198	71.9	45.3	56.3B	41.6B	23
24	74.5B	55.2B	49.0	57.8	245	130	306	172	77.2	46.6	57.4B	40.5B	24
25	75.3B	54.4B	48.5	61.3	343	107	300	163	79.4	46.3	62.5B	39.9B	25
26	75.0B	54.4B	49.1	63.2	407	117	298	158	76.3	49.0	64.7B	41.9B	26
27	73.1B	55.2B	49.0	64.4	420	149	262	161	73.6	50.2	54.9B	44.5B	27
28	71.9B	52.7B	49.0	65.3	425	159	254	164	68.3	54.2	55.6B	46.2B	28
29	69.4B		49.0B	65.0	403	190	251	150	64.6	59.0	56.4B	46.7B	29
30	64.0B		45.6B	59.1	345	170	266	162	66.0	58.1	45.6B	46.7B	30
31	62.9B		55.3		326		335	147		54.7		44.5B	31
TOTAL	2 029.8	1 683.9	1 555.1	2 066.0	5 280.6	6 988	7 922	6 238	2 988.6	1 758.4	1 740.7	1 368.8	TOTAL
MEAN	65.5	60.1	50.2	68.9	170	233	256	201	99.6	56.7	58.0	44.2	MEAN
MAX	75.3	74.2	55.7	78.2	425	391	335	324	141	71.0	67.3	51.5	MAX
MIN	56.4	52.7	45.6	57.8	53.1	107	148	147	64.6	45.3	45.6	39.9	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 114
MAXIMUM DAILY, 425 ON MAY 28
MINIMUM DAILY, 39.9B ON DEC 25
MAXIMUM INSTANTANEOUS,
427 AT 00:50 MST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 03 00 W
DRAINAGE AREA, 7 870 km²

B - ICE CONDITIONS

REGULATED SINCE 1913

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	175 000	JUL	684 000
FEB	145 000	AUG	539 000
MAR	134 000	SEP	258 000
APR	179 000	OCT	152 000
MAY	456 000	NOV	150 000
JUN	604 000	DEC	118 000

TOTAL DISCHARGE, 3 590 000 dam³

BOW RIVER AT CANMORE - STATION NO. 05BE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	36.1B	40.0B	48.1	39.6	47.3	210	161	225	108	45.6	37.6	21.5	1
2	37.6B	37.7B	42.7	42.3	61.8	202	178	212	106	46.7	36.3	23.6	2
3	43.1B	37.1B	41.2	39.7	60.8	207	185	202	104	49.8	37.6	23.6	3
4	33.5B	38.2B	43.6	33.6	57.8	213	202	194	98.2	45.6	38.2	22.3	4
5	38.7B	38.4B	44.8	36.1	62.2	199	220	187	91.6	47.1	37.6	22.4	5
6	43.4B	39.7B	43.7	49.4	57.3	195	219	179	89.8	45.1	37.7	24.0	6
7	46.0B	39.9B	44.2	41.6	58.3	192	213	173	88.3	45.1	36.1	24.8	7
8	45.8B	38.6B	44.2	52.8	57.3	176	198	172	87.3	43.5	35.7	23.9	8
9	31.4B	40.9B	47.7	50.7	62.6	164	178	175	87.8	42.1	35.9	23.6	9
10	32.1B	39.0B	42.1	49.8	63.8	147	168	175	87.3	41.6	36.1	24.5	10
11	31.5B	43.1B	41.4	47.4	81.1	147	150	172	97.2	40.1	36.1	25.2	11
12	40.2B	40.4B	39.7	40.0	96.4	140	141	171	95.2	40.2	37.9	25.7	12
13	41.5B	45.0B	40.1	48.0	81.2	135	136	170	91.6	38.6	38.2	30.3	13
14	41.5B	35.3B	43.3	42.8	99.7	140	176	169	92.8	39.0	38.9	29.6	14
15	40.6B	29.3B	37.6	37.8	107	127	234	164	90.1	40.3	37.4	23.0	15
16	39.8B	31.7B	38.1	38.2	112	133	231	164	86.5	41.6	36.8	23.0	16
17	39.2B	36.8B	39.6	32.2	108	144	221	161	81.7	41.5	35.8	25.7	17
18	35.9B	33.2B	51.3	31.8	115	134	228	157	66.0	40.6	34.7	28.4	18
19	43.3B	42.4B	48.8	33.4	122	131	228	149	58.3	40.3	34.6	30.4	19
20	43.2B	44.1B	46.9	34.5	141	129	225	143	63.2	39.8	35.0	29.8B	20
21	45.3B	45.8B	43.8	33.5	166	127	220	144	62.9	39.3	37.1	30.6B	21
22	40.7B	45.5B	38.0	47.3	177	126	223	140	62.8	37.0	35.4	31.8B	22
23	39.1B	45.6B	34.4	46.1	195	117	225	132	55.4	37.7	34.7	33.7B	23
24	42.7B	55.1B	46.7	35.8	224	116	223	130	51.1	39.3	33.0	35.9B	24
25	35.3B	51.3B	46.6	35.4	250	111	216	130	47.5	37.6	30.9	35.7B	25
26	39.5B	46.5B	44.3	39.9	253	116	206	127	45.2	38.1	28.7	35.5B	26
27	38.0B	44.3B	49.4	49.8	259	134	198	130	44.6	38.0	25.8	36.8B	27
28	41.8B	47.5B	39.2	44.2	227	143	198	122	44.5	37.4	24.1	35.7B	28
29	40.4B		38.4	40.9	196	133	193	120	46.9	39.7	24.7	34.9B	29
30	41.0B		41.4	48.7	187	132	220	115	46.1	40.4	24.5	34.2B	30
31	42.8B		44.8		198		239	110		39.4		34.1B	31
TOTAL	1 231.0	1 152.4	1 336.1	1 243.3	3 984.6	4 520	6 253	4 914	2 277.9	1 278.1	1 033.1	884.2	TOTAL
MEAN	39.7	41.2	43.1	41.4	129	151	202	159	75.9	41.2	34.4	28.5	MEAN
MAX	46.0	55.1	51.3	52.8	259	213	239	225	108	49.8	38.9	36.8	MAX
MIN	31.4	29.3	34.4	31.8	47.3	111	136	110	44.5	37.0	24.1	21.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 82.5
MAXIMUM DAILY, 259 ON MAY 27
MINIMUM DAILY, 21.5 ON DEC 1
MAXIMUM INSTANTANEOUS,
267 AT 09:00 MST ON MAY 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 12 N
LONG 115 21 48 W
DRAINAGE AREA, 3 830 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	106 000	JUL	540 000
FEB	99 600	AUG	425 000
MAR	115 000	SEP	197 000
APR	107 000	OCT	110 000
MAY	344 000	NOV	89 300
JUN	391 000	DEC	76 400

TOTAL DISCHARGE, 2 600 000 dam³

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.78B	1.65B	1.53B	1.36B	4.66	37.9	26.1	38.1	19.1	5.22	3.12	2.18B	1
2	3.50B	1.59B	1.50B	1.39B	5.29	37.4	26.4	34.2	17.4	6.56	3.10	2.16B	2
3	3.27B	1.55B	1.48B	1.42B	5.67	38.7	27.0	32.3	15.1	5.79	3.05	2.14B	3
4	3.08B	1.51B	1.46B	1.45B	5.70	36.3	31.1	30.6	13.7	5.34	2.95	2.11B	4
5	2.91B	1.48B	1.44B	1.49B	5.41	31.8	36.3	29.3	13.0	4.98	2.90B	2.10B	5
6	2.73B	1.44B	1.42B	1.53B	5.04	29.9	39.6	29.4	12.5	4.70	2.88B	2.09B	6
7	2.60B	1.39B	1.39B	1.55B	4.87	28.2	38.8	30.2	12.7	4.51	2.84B	2.09B	7
8	2.48B	1.36B	1.37B	1.59B	5.13	25.3	33.6	32.1	13.9	4.39	2.81B	2.08B	8
9	2.36B	1.32B	1.35B	1.63B	5.74	22.3	27.6	31.9	15.6	4.26	2.81B	2.08B	9
10	2.26B	1.29B	1.33B	1.67B	6.22	20.0	23.6	31.9	16.0	4.13	2.80B	2.08B	10
11	2.16B	1.26B	1.31B	1.72B	6.67	18.3	23.5	32.1	15.6	3.92	2.80B	2.08B	11
12	2.06B	1.24B	1.29B	1.77B	6.87	17.0	23.3	32.8	16.0	3.81	2.78B	2.07B	12
13	1.98B	1.23B	1.28B	1.82B	7.26	16.6	25.0	33.3	14.7	3.66	2.74B	2.06B	13
14	1.89B	1.23B	1.27B	1.86B	8.04	16.2	43.2	33.0	13.7	3.59	2.70B	2.05B	14
15	1.85B	1.23B	1.25B	1.91B	8.69	16.6	47.5	32.7	13.2	3.49	2.63B	2.03B	15
16	1.81B	1.24B	1.24B	1.96B	9.06	18.3	45.4	32.8	13.8	3.42	2.57B	2.01B	16
17	1.78B	1.24B	1.23B	2.02B	10.0	17.6	44.6	32.1	14.7	3.32	2.49B	2.00B	17
18	1.73B	1.25B	1.22B	2.06B	12.1	16.4	43.2	30.6	15.4	3.22	2.41B	1.99B	18
19	1.70B	1.26B	1.21B	2.12B	14.5	15.3	42.9	30.1	17.4	3.17	2.39B	1.99B	19
20	1.67B	1.29B	1.20B	2.19B	17.2	14.3	41.2	30.8	16.1	3.05	2.36B	1.98B	20
21	1.65B	1.32B	1.20B	2.25B	22.6	13.7	41.8	29.7	13.3	2.97	2.33B	1.96B	21
22	1.63B	1.36B	1.19B	2.34B	28.3	13.1	41.6	27.8	11.1	3.05	2.30B	1.94B	22
23	1.62B	1.39B	1.19B	2.42B	32.7	12.6	41.1	26.8	9.57	3.00	2.28B	1.92B	23
24	1.63B	1.43B	1.20B	2.51B	40.5	12.0	39.2	26.7	8.35	3.00	2.25B	1.89B	24
25	1.63B	1.46B	1.22B	2.60B	45.9	12.1	36.4	26.4A	7.49	3.06	2.24B	1.88B	25
26	1.64B	1.51B	1.23B	2.69B	55.7	14.2	34.2	27.9E	6.89	3.31	2.22B	1.87B	26
27	1.65B	1.53B	1.25B	2.78B	53.6	17.2	34.8	30.2A	6.31	3.16	2.21B	1.85B	27
28	1.67B	1.54B	1.27B	2.90	45.6	17.0	36.9	26.8	6.01	3.17	2.20B	1.83B	28
29	1.69B		1.29B	3.14	38.4	16.4	40.3	24.4	5.66	3.18	2.19B	1.82B	29
30	1.69B		1.32B	3.51	35.9	18.5	45.5	22.3	5.30	3.06	2.19B	1.81B	30
31	1.68B		1.34B		37.5		42.4	19.4		3.01		1.80B	31
TOTAL	65.78	38.59	40.47	61.65	590.82	621.2	1 124.1	928.7	379.58	118.50	77.54	61.94	TOTAL
MEAN	2.12	1.38	1.31	2.06	19.1	20.7	36.3	30.0	12.7	3.82	2.58	2.00	MEAN
MAX	3.78	1.65	1.53	3.51	55.7	38.7	47.5	38.1	19.1	6.56	3.12	2.18	MAX
MIN	1.62	1.23	1.19	1.36	4.66	12.0	23.3	19.4	5.30	2.97	2.19	1.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.3
MAXIMUM DAILY, 55.7 ON MAY 26
MINIMUM DAILY, 1.19B ON MAR 22
MAXIMUM INSTANTANEOUS,
56.5 AT 18:50 MST ON MAY 26

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 42 N
LONG 116 11 15 W
DRAINAGE AREA, 422 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 680	JUL	97 100
FEB	3 330	AUG	80 200
MAR	3 500	SEP	32 800
APR	5 330	OCT	10 200
MAY	51 000	NOV	6 700
JUN	53 700	DEC	5 350

TOTAL DISCHARGE, 355 000 dam³

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	62.1	444	184	300	91.6	2.05	11.5	---	1
2	---	---	---	---	50.6	494	169	297	81.5	2.24	56.5	---	2
3	---	---	---	---	43.6	527	198	265	81.1	2.61	119	---	3
4	---	---	---	---	38.6	472	219	199	82.0	2.67	70.5	---	4
5	---	---	---	---	2.29	412	207	199	80.0	2.83	72.5	---	5
6	---	---	---	---	22.3	383	220	207	64.9	3.62	73.3	---	6
7	---	---	---	---	33.0	347	261	177	77.3	6.91	69.3	---	7
8	---	---	---	---	44.1	297	292	148	70.9	7.89	68.2	---	8
9	---	---	---	---	95.7	291	262	147	69.6	6.74	36.1	---	9
10	---	---	---	---	95.4	254	233	140	45.3	5.46	2.25A	---	10
11	---	---	---	---	114	209	209	171	43.1	5.61	---	---	11
12	---	---	---	---	116	204	190	158	50.3	5.97	---	---	12
13	---	---	---	---	81.6	203	148	158	49.6	6.74	---	---	13
14	---	---	---	---	64.4	231	148	153	42.1	5.08	---	---	14
15	---	---	---	94.6A	102	384	119	137	67.2	4.41	---	---	15
16	---	---	---	95.4	148	362	229	146	53.1	4.21	---	---	16
17	---	---	---	94.6	215	367	265	162	38.8	7.18	---	---	17
18	---	---	---	85.1A	250	276	302	148	37.2	6.75	---	---	18
19	---	---	---	---	308	249	314	130	37.3	6.40	---	---	19
20	---	---	---	---	344	240	286	152	36.4 A	7.80	---	---	20
21	---	---	---	81.0A	418	207	281	153	10.6 A	14.9	---	---	21
22	---	---	---	81.8	492	195	282	117	23.8	23.4	---	---	22
23	---	---	---	80.0	496	188	275	97.7	51.6	13.9	---	---	23
24	---	---	---	73.7	512	158	254	141	16.0	19.7	---	---	24
25	---	---	---	66.4	508	121	287	112	11.6	20.8	---	---	25
26	---	---	---	70.7	590	90.5	302	95.7	11.0	7.98	---	---	26
27	---	---	---	69.5	725	82.3	303	95.8	13.3	9.03	---	---	27
28	---	---	---	70.8	673	161	254	95.7	17.4	10.2	---	---	28
29	---		---	72.0	597	166	237	101	11.5	11.6	---	---	29
30	---		---	70.4	515	176	242	89.8	4.00	11.8	---	---	30
31	---		---		450		237	91.5		95.6		---	31
TOTAL	---	---	---	---	8 206.69	8 190.8	7 409	4 784.2	1 370.10	342.08	---	---	TOTAL
MEAN	---	---	---	---	265	273	239	154	45.7	11.0	---	---	MEAN
MAX	---	---	---	---	725	527	314	300	91.6	95.6	---	---	MAX
MIN	---	---	---	---	2.29	82.3	119	89.8	4.00	2.05	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 165
MAXIMUM DAILY, 725 ON MAY 27
MINIMUM DAILY, 2.05 ON OCT 1
MAXIMUM INSTANTANEOUS,
837 AT 08:00 MST ON MAY 27

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 00 N
LONG 112 32 20 W
DRAINAGE AREA, 20 300 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	640 000
FEB	---	AUG	413 000
MAR	---	SEP	118 000
APR	---	OCT	29 600
MAY	709 000	NOV	---
JUN	708 000	DEC	---

TOTAL DISCHARGE, 2 620 000 dam³

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	77.4	42.9	535	210	351	115	40.3	63.2	---	1
2	---	---	---	91.0	37.1	587	242	332	113	47.4	61.1	---	2
3	---	---	---	94.9	41.1	552	267	274	115	55.3	64.1	---	3
4	---	---	---	93.1	39.4	505	259	254	102	61.8	74.4A	---	4
5	---	---	---	90.9	36.2	480	257	271	101	56.5	---	---	5
6	---	---	---	86.1	57.2	439	278	243	100	50.9	---	---	6
7	---	---	---	83.3	102	408	323	210	102	47.7	---	---	7
8	---	---	---	83.1	111	368	325	205	97.9	44.3	---	---	8
9	---	---	---	82.9	103	345	293	189	77.0	48.9	---	---	9
10	---	---	---	83.5	106	318	257	217	73.9	49.4	---	---	10
11	---	---	---	80.6	100	290	254	214	72.6	54.2	---	---	11
12	---	---	---	81.7	92.0	277	215	218	78.0	52.6	---	---	12
13	---	---	---	87.7	89.0	275	212	210	63.3	43.7	---	---	13
14	---	---	---	88.4	90.8	419	190	197	96.8	46.0	---	---	14
15	---	---	---	88.2	108	412	258	201	78.3	35.5	---	---	15
16	---	---	---	87.4	207	367	290	213	61.4	33.8	---	---	16
17	---	---	---	81.8	205	351	342	206	43.4	33.8	---	---	17
18	---	---	---	81.0	209	326	364	183	43.1	26.4	---	---	18
19	---	---	---	81.9	225	301	342	208	26.8	24.8	---	---	19
20	---	---	---	79.3	272	282	334	209	37.4	27.4	---	---	20
21	---	---	---	79.9	393	263	335	179	43.9	32.7	---	---	21
22	---	---	---	77.5	496	253	330	144	54.3	36.5	---	---	22
23	---	---	---	70.3	525	234	294	182	28.7	48.9	---	---	23
24	---	---	---	64.3	524	197	326	172	41.7	46.7	---	---	24
25	---	---	---	69.9	569	149	345	143	38.3	46.5	---	---	25
26	---	---	---	74.2	719	125	351	139	43.1	51.0	---	---	26
27	---	---	---	74.8	734	193	319	132	35.6	58.8	---	---	27
28	---	---	---	69.0	663	235	279	143	39.9	58.4	---	---	28
29	---		---	67.6	591	237	289	123	30.3	66.9	---	---	29
30	---		98.5A	56.7	498	239	285	135	37.7	71.7	---	---	30
31	---		67.1		474		344	126		66.3		---	31
TOTAL	---	---	---	2 408.4	8 459.7	9 962	9 009	6 223	1 991.4	1 465.1	---	---	TOTAL
MEAN	---	---	---	80.3	273	332	291	201	66.4	47.3	---	---	MEAN
MAX	---	---	---	94.9	734	587	364	351	115	71.7	---	---	MAX
MIN	---	---	---	56.7	36.2	125	190	123	26.8	24.8	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 734 ON MAY 27

MAXIMUM INSTANTANEOUS,
749 AT 03:50 MST ON MAY 27

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 49 50 N
LONG 113 25 00 W
DRAINAGE AREA, 15 700 km²
A - MANUAL GAUGE

REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	778 000
FEB	---	AUG	538 000
MAR	---	SEP	172 000
APR	208 000	OCT	127 000
MAY	731 000	NOV	---
JUN	861 000	DEC	---

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	53.7	326	151	303	137	61.5	---	---	1
2	---	---	---	---	54.1	333	194	265	137	62.6	---	---	2
3	---	---	---	---	55.6	325	200	236	137	63.3	---	---	3
4	---	---	---	---	62.4	322	207	243	128	61.5	---	---	4
5	---	---	---	---	58.2	317	223	231	130	55.9	---	---	5
6	---	---	---	---	71.7	297	262	214	132	59.7	---	---	6
7	---	---	---	---	71.5	279	277	191	117	58.3	---	---	7
8	---	---	---	---	69.1	267	269	172	115	57.0	---	---	8
9	---	---	---	---	74.4	252	254	195	110	64.3	---	---	9
10	---	---	---	---	75.9	237	229	205	105	62.6	---	---	10
11	---	---	---	---	70.0	220	212	207	113	62.6	---	---	11
12	---	---	---	---	74.5	207	202	207	111	61.7	---	---	12
13	---	---	---	---	82.3	202	154	207	130	61.1	---	---	13
14	---	---	---	---	85.1	202	178	192	116	49.6	---	---	14
15	---	---	---	---	88.6	203	228	208	107	54.1	---	---	15
16	---	---	---	---	109	202	289	208	90.8	52.5	---	---	16
17	---	---	---	---	108	189	314	166	85.1	47.5	---	---	17
18	---	---	---	---	101	179	307	202	71.4	48.2	---	---	18
19	---	---	---	---	109	195	298	208	73.0	42.2	---	---	19
20	---	---	---	---	138	186	294	192	83.8	42.8	---	---	20
21	---	---	---	---	171	170	288	166	84.4	47.5	---	---	21
22	---	---	---	116 A	197	173	273	185	73.6	56.4	---	---	22
23	---	---	---	67.6	198	146	279	182	91.6	39.7	---	---	23
24	---	---	---	68.4	226	124	285	180	79.6	43.4	---	---	24
25	---	---	---	67.3	327	100	286	160	71.7	44.5	---	---	25
26	---	---	---	68.7	374	116	278	162	70.6	44.9	---	---	26
27	---	---	---	64.7	394	147	252	166	69.9	46.7	---	---	27
28	---	---	---	67.7	402	165	239	152	69.4	48.8	---	---	28
29	---		---	66.2	360	197	243	162	72.4	53.5E	---	---	29
30	---		---	60.8	309	146	273	152	60.0	53.8E	---	---	30
31	---		---		290		307	150		55.5E		---	31
TOTAL	---	---	---	---	4 860.1	6 424	7 745	6 069	2 972.3	1 663.7	---	---	TOTAL
MEAN	---	---	---	---	157	214	250	196	99.1	53.7	---	---	MEAN
MAX	---	---	---	---	402	333	314	303	137	64.3	---	---	MAX
MIN	---	---	---	---	53.7	100	151	150	60.0	39.7	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 402 ON MAY 28
MINIMUM DAILY, 39.7 ON OCT 23
MAXIMUM INSTANTANEOUS,
406 AT 08:25 MST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 50 N
LONG 114 36 40 W
DRAINAGE AREA, 6 550 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	669 000
FEB	---	AUG	524 000
MAR	---	SEP	257 000
APR	---	OCT	144 000
MAY	420 000	NOV	---
JUN	555 000	DEC	---

BOW RIVER DEVELOPMENT CANAL AT DROP NO. 3 - STATION NO. 05AC902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.198E	11.8	33.4	26.1	15.5	18.2	---	---	1
2	---	---	---	---	5.22	13.2	33.5	25.8	15.5	18.2	---	---	2
3	---	---	---	---	4.72	15.5	33.3	25.7	14.8	18.1	---	---	3
4	---	---	---	---	4.63	18.8	33.0	25.0	15.1	18.1	---	---	4
5	---	---	---	---	7.37	19.3	32.9	23.2	15.1	16.3	---	---	5
6	---	---	---	---	10.4	20.1	32.6	21.8	15.1	15.0 E	---	---	6
7	---	---	---	---	9.14	20.2	33.7	20.7	15.2	13.9 E	---	---	7
8	---	---	---	---	5.93	22.0	37.1	20.5	14.8	11.6 A	---	---	8
9	---	---	---	---	5.91	24.0	39.0	20.4	17.7	11.3	---	---	9
10	---	---	---	---	5.86	24.7	39.2	18.8	18.3	11.1	---	---	10
11	---	---	---	---	5.71	26.3	42.0	16.6	18.6	11.3	---	---	11
12	---	---	---	---	5.40	27.9	44.2	17.7	18.6	11.4	---	---	12
13	---	---	---	---	5.42	28.7	46.6	18.5	18.6	11.4	---	---	13
14	---	---	---	---	6.53	26.9	46.6	18.3	19.3	10.7	---	---	14
15	---	---	---	---	9.25	24.7	42.6	18.3	19.9	9.25	---	---	15
16	---	---	---	---	8.55	21.8	41.1	18.3	20.0	8.67	---	---	16
17	---	---	---	---	5.92	21.8	41.3	18.3	20.9	8.23	---	---	17
18	---	---	---	---	5.98	21.5	41.3	17.6	21.9	8.22	---	---	18
19	---	---	---	---	5.09	21.3	41.0	18.4	21.9	8.47	---	---	19
20	---	---	---	---	3.84	20.7	38.2	19.3	21.8	7.44	---	---	20
21	---	---	---	---	3.91	20.9	34.8	19.4	23.6	1.77	---	---	21
22	---	---	---	---	3.92	22.6	33.2	20.1	25.9	0.117	---	---	22
23	---	---	---	---	3.84	26.6	31.3	20.3	25.9	0	---	---	23
24	---	---	---	---	3.82	28.4	31.4	18.9	25.8	0	---	---	24
25	---	---	---	---	3.78	28.1	31.4	16.9	26.0	0	---	---	25
26	---	---	---	---	4.56	30.4	31.4	17.0	26.1	0	---	---	26
27	---	---	---	---	6.43	32.3	30.2	17.3	26.1	0	---	---	27
28	---	---	---	---	7.27	32.5	28.8	17.4	25.2	0	---	---	28
29	---		---	---	9.81	32.6	29.2	17.4	22.8	0	---	---	29
30	---		---	---	10.6	33.1	28.3	17.5	20.4	0	---	---	30
31	---		---		10.9		26.3	16.5		0		---	31
TOTAL	---	---	---	---	189.908	718.7	1 108.9	608.0	606.4	248.767	---	---	TOTAL
MEAN	---	---	---	---	6.13	24.0	35.8	19.6	20.2	8.02	---	---	MEAN
MAX	---	---	---	---	10.9	33.1	46.6	26.1	26.1	18.2	---	---	MAX
MIN	---	---	---	---	0.198	11.8	26.3	16.5	14.8	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.9
MAXIMUM DAILY, 46.6 ON JUL 13
MINIMUM DAILY, 0 ON OCT 23

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 25 N
LONG 112 32 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	95 800
FEB	---	AUG	52 500
MAR	---	SEP	52 400
APR	---	OCT	21 500
MAY	16 400	NOV	---
JUN	62 100	DEC	---

TOTAL DISCHARGE, 301 000 dam³

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0 E	0.723	0.681	0.135	0.098	0.023	---	1
2	---	---	---	---	0	0.016E	0.926	0.769	0.162	0.140	0.023	---	2
3	---	---	---	---	0	0.050E	1.05	0.585	0.235	0.203	0.023	---	3
4	---	---	---	---	0.011	0.075E	0.972	0.604	0.180	0.241	0.021A	---	4
5	---	---	---	---	0.464	0.084A	0.905	0.394	0.191	0.228	---	---	5
6	---	---	---	---	0.440	0.136	0.871	0.177	0.194	0.223	---	---	6
7	---	---	---	---	0.248	0.143	0.839	0.191	0.229	0.225	---	---	7
8	---	---	---	---	0.164	0.141	0.852	0.262	0.191	0.172	---	---	8
9	---	---	---	---	0.125	0.154	1.04	0.362	0.122	0.210	---	---	9
10	---	---	---	---	0.111	0.161	1.01	0.259	0.114	0.155	---	---	10
11	---	---	---	---	0.070	0.209	1.06	0.125	0.146	0.167	---	---	11
12	---	---	---	---	0.033	0.276	1.12	0.159	0.217	0.166	---	---	12
13	---	---	---	---	0.017	0.527	1.07	0.171	0.237	0.160	---	---	13
14	---	---	---	---	0.009	0.277	0.839	0.177	0.239	0.175	---	---	14
15	---	---	---	---	0.013	0.071	0.969	0.195	0.255	0.169	---	---	15
16	---	---	---	---	0.050	0.301	0.956	0.211	0.392	0.188	---	---	16
17	---	---	---	---	0.072	0.167	1.15	0.270	0.293	0.244	---	---	17
18	---	---	---	---	0.052	0.185	1.04	0.249	0.391	0.251	---	---	18
19	---	---	---	---	0.039	0.195	1.06	0.209	0.339	0.263	---	---	19
20	---	---	---	---	0.029	0.241	1.25	0.166	0.372	0.262	---	---	20
21	---	---	---	---	0.019	0.396	1.13	0.162	0.493	0.161	---	---	21
22	---	---	---	---	0.011E	0.338	0.993	0.202	0.515	0.095	---	---	22
23	---	---	---	0.009A	0.007E	0.459	0.894	0.206	0.391	0.076	---	---	23
24	---	---	---	0.003	0 E	0.347	0.937	0.193	0.459	0.073	---	---	24
25	---	---	---	0.002	0 E	0.379	1.28	0.205	0.374	0.063	---	---	25
26	---	---	---	0.002	0 E	0.419	1.53	0.235	0.293	0.055	---	---	26
27	---	---	---	0	0 E	0.530	1.37	0.234	0.259	0.048	---	---	27
28	---	---	---	0	0 E	0.665	0.972	0.199	0.240	0.044	---	---	28
29	---		---	0	0 E	0.670	0.904	0.080	0.200	0.047	---	---	29
30	---		---	0	0 E	0.559	0.754	0.103	0.151	0.035	---	---	30
31	---		---		0 E		0.651	0.098		0.022		---	31
TOTAL	---	---	---	---	1.984	8.171	31.117	8.133	8.009	4.659	---	---	TOTAL
MEAN	---	---	---	---	0.064	0.272	1.00	0.262	0.267	0.150	---	---	MEAN
MAX	---	---	---	---	0.464	0.670	1.53	0.769	0.515	0.263	---	---	MAX
MIN	---	---	---	---	0	0	0.651	0.080	0.114	0.022	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.337
MAXIMUM DAILY, 1.53 ON JUL 26
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 05 N
LONG 111 43 57 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 690
FEB	---	AUG	703
MAR	---	SEP	692
APR	---	OCT	403
MAY	171	NOV	---
JUN	706	DEC	---

TOTAL DISCHARGE, 5 370 dam³

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.387	1.08	1.41	1.09	0.937	0	---	1
2	---	---	---	---	0	0.348	1.29	1.57	1.02	0.873	0	---	2
3	---	---	---	---	0	0.348	1.03	1.60	0.830	1.19	---	---	3
4	---	---	---	---	0	0.678	0.864	1.61	0.761	1.33	---	---	4
5	---	---	---	---	0	0.800	1.12	1.47	0.959	1.27	---	---	5
6	---	---	---	---	0	0.740	1.50	1.31	1.14	0.812	---	---	6
7	---	---	---	---	0	0.860	1.44	1.29	1.07	0.586	---	---	7
8	---	---	---	---	0	1.04	1.48	1.29	0.892	0.667	---	---	8
9	---	---	---	---	0	0.838	1.05	1.25	0.937	0.675	---	---	9
10	---	---	---	---	0	0.780	0.794	1.27	0.896	0.779	---	---	10
11	---	---	---	---	0	0.837	1.03	0.982	1.14	0.819	---	---	11
12	---	---	---	---	0.002	0.979	1.23	1.09	0.964	0.857	---	---	12
13	---	---	---	---	0.125	2.23	1.48	1.27	1.01	0.705	---	---	13
14	---	---	---	---	0.145	2.75	2.29	1.20	1.16	0.640	---	---	14
15	---	---	---	---	0.106	2.51	2.20	1.21	1.23	0.656	---	---	15
16	---	---	---	---	0.402	1.79	1.63	1.37	1.17	0.695	---	---	16
17	---	---	---	---	0.292	1.04	1.42	1.45	0.867	0.646	---	---	17
18	---	---	---	---	0.195	0.649	1.20	1.36	0.784	0.730	---	---	18
19	---	---	---	---	0.144	0.638	1.24	1.31	0.765	0.822	---	---	19
20	---	---	---	---	0.101	0.742	1.26	1.06	1.29	0.825	---	---	20
21	---	---	---	---	0.087	1.32	1.12	0.924	1.12	0.854	---	---	21
22	---	---	---	0	0.095	1.28	0.916	1.03	1.16	0.469	---	---	22
23	---	---	---	0	0.095	0.884	0.854	1.20	1.19	0.276	---	---	23
24	---	---	---	0	0.094	0.837	0.954	1.29	1.30	0.148	---	---	24
25	---	---	---	0	0.097	1.08	0.955	0.867	1.14	0.083	---	---	25
26	---	---	---	0	0.133	1.20	0.895	0.608	1.08	0.056	---	---	26
27	---	---	---	0	0.137	1.64	1.10	0.766	1.12	0.043	---	---	27
28	---	---	---	0	0.186	1.76	1.03	0.615	1.18	0.030	---	---	28
29	---		---	0	0.313	1.54	1.36	0.614	0.891	0.029	---	---	29
30	---		---	0	0.457	1.12	1.29	0.980	0.895	0.012	---	---	30
31	---		---		0.819		1.44	0.918		0		---	31
TOTAL	---	---	---	---	3.625	33.645	38.542	36.184	31.051	18.514	---	---	TOTAL
MEAN	---	---	---	---	0.117	1.12	1.24	1.17	1.04	0.597	---	---	MEAN
MAX	---	---	---	---	0.457	2.75	2.29	1.61	1.30	1.33	---	---	MAX
MIN	---	---	---	---	0	0.348	0.794	0.608	0.761	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.878
MAXIMUM DAILY, 2.75 ON JUN 14
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 112 02 50 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 330
FEB	---	AUG	3 130
MAR	---	SEP	2 680
APR	---	OCT	1 600
MAY	313	NOV	---
JUN	2 910	DEC	---

TOTAL DISCHARGE, 14 000 dam³

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.250	0.250	0.316	0.172	0.123	0	---	1
2	---	---	---	---	0	0.197	0.354	0.334	0.125	0.133	0A	---	2
3	---	---	---	---	0	0.157	0.264	0.319	0.208	0.161	---	---	3
4	---	---	---	---	0	0.198	0.331	0.281	0.213	0.135	---	---	4
5	---	---	---	---	0	0.146	0.345	0.274	0.202	0.108	---	---	5
6	---	---	---	---	0.001	0.180	0.365	0.242	0.135	0.057	---	---	6
7	---	---	---	---	0.062	0.128	0.265	0.191	0.157	0.059	---	---	7
8	---	---	---	---	0.068	0.221	0.210	0.236	0.208	0.103	---	---	8
9	---	---	---	---	0.108	0.141	0.265	0.316	0.147	0.094	---	---	9
10	---	---	---	---	0.111	0.201	0.202	0.315	0.096	0.162	---	---	10
11	---	---	---	---	0.092	0.231	0.179	0.224	0.119	0.155	---	---	11
12	---	---	---	---	0.096	0.203	0.186	0.209	0.185	0.134	---	---	12
13	---	---	---	---	0.113	0.374	0.183	0.199	0.161	0.104	---	---	13
14	---	---	---	---	0.103	0.451	0.384	0.237	0.060	0.083	---	---	14
15	---	---	---	---	0.141	0.449	0.320	0.256	0.114	0.088	---	---	15
16	---	---	---	---	0.227	0.414	0.393	0.332	0.194	0.148	---	---	16
17	---	---	---	---	0.210	0.344	0.296	0.383	0.161	0.163	---	---	17
18	---	---	---	---	0.175	0.415	0.188	0.225	0.179	0.137	---	---	18
19	---	---	---	---	0.118	0.357	0.168	0.220	0.274	0.077	---	---	19
20	---	---	---	---	0.130	0.205	0.197	0.156	0.292	0.091	---	---	20
21	---	---	---	---	0.119	0.193	0.252	0.115	0.337	0.098	---	---	21
22	---	---	---	0.001A	0.088	0.175	0.163	0.146	0.260	0.118	---	---	22
23	---	---	---	0.001	0.083	0.181	0.155	0.110	0.224	0.090	---	---	23
24	---	---	---	0	0.081	0.137	0.126	0.188	0.201	0.014	---	---	24
25	---	---	---	0	0.077	0.237	0.168	0.216	0.194	0.004	---	---	25
26	---	---	---	0	0.082	0.217	0.167	0.259	0.202	0.003	---	---	26
27	---	---	---	0	0.077	0.216	0.170	0.220	0.231	0	---	---	27
28	---	---	---	0	0.111	0.315	0.145	0.213	0.219	0	---	---	28
29	---		---	0	0.131	0.304	0.270	0.242	0.149	0.002	---	---	29
30	---		---	0	0.189	0.237	0.327	0.145	0.144	0	---	---	30
31	---		---		0.161		0.358	0.205		0		---	31
TOTAL	---	---	---	---	2.954	7.474	7.646	7.324	5.563	2.644	---	---	TOTAL
MEAN	---	---	---	---	0.095	0.249	0.247	0.236	0.185	0.085	---	---	MEAN
MAX	---	---	---	---	0.227	0.451	0.393	0.383	0.337	0.163	---	---	MAX
MIN	---	---	---	---	0	0.128	0.126	0.110	0.060	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.183
MAXIMUM DAILY, 0.451 ON JUN 14
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 43 N
LONG 112 05 18 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	661
FEB	---	AUG	633
MAR	---	SEP	481
APR	---	OCT	228
MAY	255	NOV	---
JUN	646	DEC	---

TOTAL DISCHARGE, 2 900 dam³

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.035	0.279	2.20	1.98	0.964	2.04	0.182	---	1
2	---	---	---	---	0.036	0.251	2.35	2.00	1.02	1.89	0.192A	---	2
3	---	---	---	---	0.041	0.284	2.10	2.06	1.06	1.66	---	---	3
4	---	---	---	---	0.040	0.283	2.02	2.25	0.973	1.20	---	---	4
5	---	---	---	---	0.052	0.303	1.98	2.51	1.02	0.940	---	---	5
6	---	---	---	---	0.090	0.439	1.97	2.59	0.973	0.816	---	---	6
7	---	---	---	---	0.099	1.04	1.88	2.43	0.928	0.814	---	---	7
8	---	---	---	---	0.557	1.47	1.62	2.09	0.903	0.876	---	---	8
9	---	---	---	---	1.59	1.47	1.39	1.56	1.03	0.889	---	---	9
10	---	---	---	---	1.56	1.23	1.36	1.03	1.10	1.03	---	---	10
11	---	---	---	---	1.19	0.921	1.66	0.838	1.08	1.16	---	---	11
12	---	---	---	---	0.961	0.777	1.89	0.813	1.04	1.22	---	---	12
13	---	---	---	---	0.668	1.08	2.07	0.896	1.03	1.10	---	---	13
14	---	---	---	---	0.501	1.93	1.98	0.922	0.873	1.11	---	---	14
15	---	---	---	---	0.627	2.91	1.91	1.30	0.707	1.26	---	---	15
16	---	---	---	---	1.06	3.24	1.80	1.76	0.613	1.48	---	---	16
17	---	---	---	---	0.922	2.45	1.91	1.81	0.598	1.73	---	---	17
18	---	---	---	---	1.12	1.75	1.93	1.71	0.687	1.88	---	---	18
19	---	---	---	---	1.31	1.35	1.81	1.52	0.741	1.90	---	---	19
20	---	---	---	---	1.30	1.16	1.80	1.49	0.900	1.93	---	---	20
21	---	---	---	---	1.20	1.13	1.74	2.14	0.942	1.97	---	---	21
22	---	---	---	0.045A	1.07	1.30	1.90	3.24	0.896	2.40	---	---	22
23	---	---	---	0.038	0.889	1.41	2.24	3.53	0.901	2.72	---	---	23
24	---	---	---	0.033	1.32	1.47	2.50	3.24	0.811	2.11	---	---	24
25	---	---	---	0.038	1.60	1.28	2.36	2.55	0.871	1.25	---	---	25
26	---	---	---	0.044	1.45	0.968	1.81	1.75	1.16	0.816	---	---	26
27	---	---	---	0.041	1.12	0.908	1.89	1.28	1.47	0.549	---	---	27
28	---	---	---	0.035	0.982	1.06	1.53	1.29	1.66	0.399	---	---	28
29	---		---	0.041	0.873	1.50	1.73	1.31	1.83	0.341	---	---	29
30	---		---	0.038	0.434	1.92	2.17	1.32	2.04	0.294	---	---	30
31	---		---		0.317		2.23	1.23		0.225		---	31
TOTAL	---	---	---	---	24.814	37.563	59.33	56.439	30.821	39.999	---	---	TOTAL
MEAN	---	---	---	---	0.800	1.25	1.91	1.82	1.03	1.29	---	---	MEAN
MAX	---	---	---	---	1.60	3.24	2.50	3.53	2.04	2.72	---	---	MAX
MIN	---	---	---	---	0.035	0.251	1.36	0.813	0.598	0.225	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 3.53 ON AUG 23
MINIMUM DAILY, 0.035 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 17 25 N
LONG 112 10 52 W

A - MANUAL GAUGE

REGULATED

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 130
FEB	---	AUG	4 880
MAR	---	SEP	2 660
APR	---	OCT	3 460
MAY	2 140	NOV	---
JUN	3 250	DEC	---

TOTAL DISCHARGE, 21 500 dam³

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.502E	0.934	1.13	0.387E	1.05	0	---	1
2	---	---	---	---	0	0.571E	0.810	1.22	0.378A	0.923	0	---	2
3	---	---	---	---	0	0.590E	0.621	1.23	0.272	0.890	0	---	3
4	---	---	---	---	0	0.581E	0.599	1.06	0.225	0.842	0.001A	---	4
5	---	---	---	---	0.064E	0.502A	0.707	1.00	0.259	0.841	---	---	5
6	---	---	---	---	0.094E	0.404	0.792	0.955	0.355	0.607	---	---	6
7	---	---	---	---	0.049E	0.581	0.843	0.977	0.296	0.592	---	---	7
8	---	---	---	---	0.028E	0.605	0.992	1.14	0.341	0.614	---	---	8
9	---	---	---	---	0.025E	0.675	0.939	1.22	0.233	0.516	---	---	9
10	---	---	---	---	0.025E	0.791	0.836	1.18	0.255	0.617	---	---	10
11	---	---	---	---	0.024E	0.760	0.683	1.03	0.282	0.806	---	---	11
12	---	---	---	---	0.023E	0.686	0.585	0.980	0.293	0.855	---	---	12
13	---	---	---	---	0.023E	0.753	0.632	0.758A	0.325	0.782	---	---	13
14	---	---	---	---	0.028E	0.979	0.747	0.729A	0.383	0.521A	---	---	14
15	---	---	---	---	0.039E	1.08	0.781	0.761	0.424	0.581A	---	---	15
16	---	---	---	---	0.050E	0.732	0.732	0.735	0.443A	0.552	---	---	16
17	---	---	---	---	0.060E	0.578	0.887	0.826A	0.430E	0.475	---	---	17
18	---	---	---	---	0.060E	0.574	1.09	0.838E	0.426E	0.520	---	---	18
19	---	---	---	---	0.052E	0.583	1.27	0.801E	0.434E	0.508	---	---	19
20	---	---	---	---	0.050A	0.550	1.40	0.576E	0.487E	0.504	---	---	20
21	---	---	---	---	0.047	0.568	1.42	0.356E	0.747E	0.349	---	---	21
22	---	---	---	---	0.037	0.486	1.30	0.251E	0.700E	0.164	---	---	22
23	---	---	---	0	0.032	0.654	1.19	0.213E	0.700E	0.156	---	---	23
24	---	---	---	0	0.031A	0.727	1.08	0.142E	0.913A	0.105	---	---	24
25	---	---	---	0	0.036E	0.756	1.04	0.196	0.853	0.073	---	---	25
26	---	---	---	0	0.049E	0.607	1.12	0.391	0.643	0.039	---	---	26
27	---	---	---	0	0.060E	0.544	1.13	0.365	0.650	0.031	---	---	27
28	---	---	---	0	0.098E	0.787	0.911	0.253	0.843	0.025	---	---	28
29	---		---	0	0.173E	0.808	0.829	0.221	0.832	0.018	---	---	29
30	---		---	0	0.272E	0.842	1.07	0.195E	1.06	0.004	---	---	30
31	---		---		0.391E		1.01	0.204E		0		---	31
TOTAL	---	---	---	---	1.920	19.856	28.980	21.933	14.869	14.560	---	---	TOTAL
MEAN	---	---	---	---	0.062	0.662	0.935	0.708	0.496	0.470	---	---	MEAN
MAX	---	---	---	---	0.391	1.08	1.42	1.23	1.06	1.05	---	---	MAX
MIN	---	---	---	---	0	0.404	0.585	0.142	0.225	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.555
MAXIMUM DAILY, 1.42 ON JUL 21
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 00 N
LONG 111 43 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 500
FEB	---	AUG	1 900
MAR	---	SEP	1 280
APR	---	OCT	1 260
MAY	166	NOV	---
JUN	1 720	DEC	---

TOTAL DISCHARGE, 8 830 dam³

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	11.8	31.1	34.6	33.1	31.0	28.9	0	---	1
2	---	---	---	0	15.6	31.4	34.9	33.1	30.9	27.2	0	---	2
3	---	---	---	0	16.4	31.1	35.5	32.4	30.9	26.5	0	---	3
4	---	---	---	0	20.1	27.2	35.4	31.8	30.6	26.5	0	---	4
5	---	---	---	0	21.4	25.1	35.3	31.7	30.5	24.9	0A	---	5
6	---	---	---	0	25.5	20.6	35.2	31.7	30.4	23.8	0E	---	6
7	---	---	---	0	26.6	19.6	35.5	31.2	30.5	23.9	0E	---	7
8	---	---	---	0	26.8	14.5	36.1	33.6	30.4	24.0	0E	---	8
9	---	---	---	0	29.0	13.7	35.9	34.1	30.0	25.6	0E	---	9
10	---	---	---	0	29.8	13.7	34.8	33.9	29.8	27.7	0E	---	10
11	---	---	---	0	29.6	13.6	34.0	34.5	29.7	28.3	0E	---	11
12	---	---	---	0	31.8	16.8	33.3	34.5	29.8	28.5	0E	---	12
13	---	---	---	0	32.5	22.8	32.7	34.1	29.7	28.3	0E	---	13
14	---	---	---	0	33.5	27.7	27.7	33.9	29.4	28.2	0E	---	14
15	---	---	---	0	34.5	30.0	23.0	34.2	29.9	28.1	0E	---	15
16	---	---	---	0	35.7	29.5	17.0	34.0	29.6	27.7	0E	---	16
17	---	---	---	0	30.0	29.3	13.4	34.1	29.1	27.6	0E	---	17
18	---	---	---	0	33.1	29.2	8.92	33.6	28.9	27.6	0E	---	18
19	---	---	---	0	35.5	28.8	7.43	33.5	28.7	27.0	0E	---	19
20	---	---	---	0	35.6	31.1	7.44	33.7	28.4	23.1	0E	---	20
21	---	---	---	0	33.5	31.9	18.1	33.4	28.4	20.7	0E	---	21
22	---	---	---	0	33.6	31.5	24.6	32.6	28.7	14.5	0E	---	22
23	---	---	---	0	32.1	31.2	28.3	32.6	28.7	13.4	0E	---	23
24	---	---	---	0	31.7	31.0	31.7	32.7	28.4	7.39	0E	---	24
25	---	---	---	0	32.0	30.3	33.3	32.4	28.6	5.03	0E	---	25
26	---	---	---	0	31.8	29.6	33.3	32.1	28.4	4.80	0E	---	26
27	---	---	---	0	32.1	32.0	33.0	31.7	28.7	1.92	0E	---	27
28	---	---	---	0	32.1	34.5	32.3	31.5	28.6	0.202	0E	---	28
29	---		---	6.69	31.9	34.7	32.6	31.7	28.8	0.004	0E	---	29
30	---		0A	10.7	31.3	34.9	32.4	31.3	28.8	0	0E	---	30
31	---		0		30.6		32.6	31.3		0		---	31
TOTAL	---	---	---	17.39	907.5	808.4	890.29	1 020.0	884.3	601.346	0	---	TOTAL
MEAN	---	---	---	0.580	29.3	26.9	28.7	32.9	29.5	19.4	0	---	MEAN
MAX	---	---	---	10.7	35.7	34.9	36.1	34.5	31.0	28.9	0	---	MAX
MIN	---	---	---	0	11.8	13.6	7.43	31.2	28.4	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.0
MAXIMUM DAILY, 36.1 ON JUL 8
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 50 N
LONG 113 00 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1918

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	76 900
FEB	---	AUG	88 100
MAR	---	SEP	76 400
APR	1 500	OCT	52 000
MAY	78 400	NOV	0
JUN	69 800	DEC	---

TOTAL DISCHARGE, 443 000 dam³

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.073	0.625	0.215	0.087	0.537	---	---	1
2	---	---	---	---	0	0.071	0.623	0.208	0.177	0.653	---	---	2
3	---	---	---	---	0	0.230	0.627	0.146	0.223	0.635	---	---	3
4	---	---	---	---	0	0.331	0.623	0.109	0.161	0.640	---	---	4
5	---	---	---	---	0	0.378	0.621	0.188	0.164	0.619	---	---	5
6	---	---	---	---	0	0.410	0.681	0.146	0.167	0.659	---	---	6
7	---	---	---	---	0	0.467	0.793	0.166	0.170	0.671A	---	---	7
8	---	---	---	---	0	0.739	0.938	0.205	0.233	0.368A	---	---	8
9	---	---	---	---	0	0.745	0.945	0.197	0.363	0.411	---	---	9
10	---	---	---	---	0	0.817	0.943	0.182	0.304	0.499	---	---	10
11	---	---	---	---	0	0.820	1.00	0.834	0.188	0.435	---	---	11
12	---	---	---	---	0	0.924	1.04	1.59	0.135	0.342	---	---	12
13	---	---	---	---	0	0.837	1.05	1.69	0.137	0.294	---	---	13
14	---	---	---	---	0	0.607	1.05	1.81	0.225	0.382	---	---	14
15	---	---	---	---	0	0.600	0.982	1.96	0.333	0.525	---	---	15
16	---	---	---	---	0	0.590	0.920	0.965	0.446	0.462	---	---	16
17	---	---	---	---	0	0.590	0.746	0.328	0.448	0.488	---	---	17
18	---	---	---	---	0	0.597	0.709	0.261	0.446	0.499	---	---	18
19	---	---	---	---	0	0.598	0.818	0.177	0.438	0.341	---	---	19
20	---	---	---	---	0	0.596	1.67	0.174	0.307	0.156	---	---	20
21	---	---	---	---	0	0.614	2.14	0.178	0.430	0	---	---	21
22	---	---	---	---	0	0.672	2.16	0.175	0.469	0	---	---	22
23	---	---	---	---	0	0.685	2.22	0.182	0.348	0	---	---	23
24	---	---	---	---	0	0.654	2.15	0.177	0.439	0	---	---	24
25	---	---	---	---	0	0.655	2.19	0.114	0.492	0	---	---	25
26	---	---	---	---	0	0.850	2.26	0.070	0.496	0	---	---	26
27	---	---	---	---	0	0.905	1.44	0.071	0.502	0	---	---	27
28	---	---	---	---	0.029E	0.918	0.320	0.072	0.508	0	---	---	28
29	---		---	---	0.086	0.980	0.286	0.073	0.507	0	---	---	29
30	---		---	---	0.092	0.813	0.227	0.076	0.547	0	---	---	30
31	---		---		0.082		0.222	0.079		0		---	31
TOTAL	---	---	---	---	0.289	18.766	33.019	12.818	9.890	9.616	---	---	TOTAL
MEAN	---	---	---	---	0.009	0.626	1.07	0.413	0.330	0.310	---	---	MEAN
MAX	---	---	---	---	0.092	0.980	2.26	1.96	0.547	0.671	---	---	MAX
MIN	---	---	---	---	0	0.071	0.222	0.070	0.087	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.459
MAXIMUM DAILY, 2.26 ON JUL 26
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 30 N
LONG 112 35 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 850
FEB	---	AUG	1 110
MAR	---	SEP	854
APR	---	OCT	831
MAY	25.0	NOV	---
JUN	1 620	DEC	---

TOTAL DISCHARGE, 7 290 dam³

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	53.8	68.5	47.7	51.1	52.2	273	169	258	128	60.0	52.1	43.6	1
2	53.9	68.4	52.4	50.0	45.7	264	212	236	124	58.6	43.9	49.8	2
3	54.4	46.8	45.8	49.5	56.3	271	213	223	127	59.5	53.0	54.4	3
4	67.0	58.6	44.2	43.3	64.4	273	225	219	119	56.4	51.0	48.7	4
5	61.3	58.9	46.6	40.8	63.4	266	245	191	114	55.8	53.5	46.7	5
6	61.2	69.5	45.6	41.8	66.7	245	261	190	110	51.0	51.8	47.0	6
7	68.4	59.6	45.4	49.4	65.3	237	259	188	106	59.5	51.3	43.0	7
8	67.7	66.5	46.4	54.5	70.9	224	248	189	103	54.7	49.6	52.7	8
9	56.9	49.2	51.4	47.2	67.5	211	226	194	104	62.0	50.1	49.0	9
10	47.5	57.3	47.5	48.6	71.3	195	210	201	106	48.4	45.6	44.7	10
11	51.4	61.5	41.6	45.2	63.0	174	197	196	113	52.1	50.7	46.7	11
12	51.9	59.1	43.6	45.6	75.6	183	175	185	119	53.5	50.7	46.2	12
13	62.2	65.1	48.8	47.1	76.8	169	157	196	117	47.3	58.3	40.2	13
14	62.1	57.7	41.6	50.0	79.5	177	180	196	99.1	49.3	56.9	48.1	14
15	60.0	55.6	47.8	45.4	90.8	173	261	192	94.0	43.0	55.2	44.2	15
16	57.9	53.4	42.2	46.1	86.4	170	294	189	88.9	39.6	50.1	36.8	16
17	57.9	50.3	47.0	40.5	89.0	182	277	189	87.5	39.6	52.1	35.4	17
18	60.1	52.2	50.1	37.4	84.7	183	275	186	84.4	43.6	55.2	46.2	18
19	59.8	48.3	52.0	35.8	93.3	171	275	189	63.4	45.0	50.1	51.8	19
20	67.5	52.3	44.2	42.6	107	161	273	167	66.5	45.6	54.9	51.5	20
21	69.5	49.7	47.2	36.7	144	155	268	165	75.6	49.6	56.6	45.6	21
22	64.9	47.1	44.7	45.2	196	152	266	170	68.5	43.3	60.9	48.1	22
23	63.0	45.8	40.7	42.7	222	140	264	167	64.0	45.9	42.5	47.6	23
24	63.7	51.8	43.1	46.9	260	119	255	157	62.3	45.9	54.9	52.1	24
25	68.3	50.4	46.0	35.9	296	128	253	153	55.2	47.6	47.9	44.6	25
26	43.9	45.1	58.8	34.6	315	140	247	154	58.9	46.2	47.6	54.4	26
27	64.9	41.7	46.1	52.0	343	149	233	148	59.5	48.4	43.9	51.5	27
28	59.7	49.7	46.4	51.7	339	172	225	150	54.9	45.6	45.6	49.0	28
29	63.3		44.2	55.1	275	157	227	144	64.3	49.3	40.2	49.3	29
30	64.6		41.9	42.4	249	141	237	136	63.4	51.8	51.8	46.7	30
31	60.7		50.1		248		259	130		56.4		42.8	31
TOTAL	1 869.4	1 540.1	1 441.1	1 355.1	4 356.8	5 655	7 366	5 648	2 700.4	1 554.5	1 528.0	1 478.4	TOTAL
MEAN	60.3	55.0	46.5	45.2	141	189	238	182	90.0	50.1	50.9	47.7	MEAN
MAX	69.5	69.5	58.8	55.1	343	273	294	258	128	62.0	60.9	64.6	MAX
MIN	43.9	41.7	40.7	34.6	45.7	119	157	130	54.9	39.6	40.2	35.4	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 100
MAXIMUM DAILY, 343 ON MAY 27
MINIMUM DAILY, 34.6 ON APR 26
MAXIMUM INSTANTANEOUS, 379 ON MAY 28

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 10 N
LONG 115 02 00 W
DRAINAGE AREA, 5 180 km²

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	162 000	JUL	636 000
FEB	133 000	AUG	488 000
MAR	125 000	SEP	233 000
APR	117 000	OCT	134 000
MAY	376 000	NOV	132 000
JUN	489 000	DEC	128 000

TOTAL DISCHARGE, 3 150 000 dam³

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	91.0B	71.5B	73.5B	78.0	68.1	439	195	262	92.3	32.7	28.8	66.0B	1
2	88.0B	71.0B	73.2B	80.5	63.0	448	207	329	117	23.2	90.3	68.0B	2
3	84.5B	70.0B	73.2B	76.1	54.1	502	189	324	87.9	20.8	27.9	67.0B	3
4	82.0B	68.5B	73.5B	84.7	45.1	519	214	292	98.8	19.1	114	64.0B	4
5	78.0B	67.5B	73.6B	90.0	42.8	471	234	227	93.9	18.3	79.1	60.0B	5
6	76.0B	67.0B	73.8B	91.1	42.8	426	218	228	93.3	18.7	73.9	52.0B	6
7	74.1B	65.0B	74.0B	88.6	20.3	397	224	232	84.8	18.9	75.1	44.0B	7
8	73.0B	63.0B	74.5B	86.1	12.6	374	258	208	89.2	17.0	72.2	38.0B	8
9	72.0B	60.0B	76.0B	81.3	36.4	324	295	166	83.2	16.5	71.9	40.0B	9
10	71.0B	59.0B	77.0B	81.6	64.1	311	267	165	81.9	18.6	67.6	44.0B	10
11	70.5B	60.0B	77.5B	81.6	94.1	278	240	148	75.2	22.4	66.4	40.0B	11
12	71.0B	60.5B	77.7B	82.8	98.2	247	217	176	51.9	22.7	71.8	34.0B	12
13	72.5B	64.0B	78.0B	81.9	114	238	212	168	54.1	21.8	70.2	29.0B	13
14	74.0B	70.0B	79.0B	79.6	89.7	254	179	167	60.5	21.0	74.1	25.0B	14
15	75.5B	74.0B	80.5B	83.7	58.4	284	178	167	60.3	19.7	68.2	23.0B	15
16	75.5B	82.1B	81.0B	87.7	63.7	414	146	153	50.4	19.8	69.8	23.0B	16
17	75.0B	87.0B	77.5B	87.5	95.8	363	227	155	87.8	21.1	69.7	27.0B	17
18	75.5B	88.5B	73.5B	87.1	194	325	265	174	49.1	18.4	70.7	30.0B	18
19	76.5B	89.0B	71.5B	84.0	175	309	308	166	43.7	15.9	71.1	31.0B	19
20	78.0B	89.0B	71.0B	81.3	209	279	323	147	39.6	15.8	72.1	32.0B	20
21	81.0B	87.5B	71.0B	83.3	209	265	296	156	30.8	15.9	69.0B	32.0B	21
22	82.5B	86.5B	71.5B	78.8	298	235	294	171	28.6	15.8	66.0B	32.0B	22
23	82.5B	83.5B	71.2	76.2	432	222	293	152	26.7	15.5	62.0B	31.0B	23
24	82.5B	81.0B	73.4	74.3	506	211	290	104	25.8	27.1	59.0B	30.0B	24
25	82.0B	79.0B	75.7	70.5	523	188	271	146	60.9	24.7	56.0B	29.0B	25
26	80.9B	77.5B	77.6	65.6	508	150	304	140	35.6	24.6	52.0B	28.0B	26
27	78.0B	75.5B	80.6	62.2	622	125	325	111	23.2	22.9	51.0B	27.0B	27
28	76.0B	74.0B	74.7	67.5	718	101	324	110	23.2	23.4	55.0B	26.0B	28
29	74.0B		74.5	64.9	651	164	281	111	23.4	13.9	61.0B	26.0B	29
30	73.0B		71.5	63.3	589	191	259	112	27.7	15.8	64.0B	26.0B	30
31	72.0B		71.1		503		266	118		17.6		26.0B	31
TOTAL	2 398.0	2 071.1	2 322.3	2 381.8	7 200.2	9 054	7 799	5 485	1 800.8	619.6	1 999.9	1 150.0	TOTAL
MEAN	77.4	74.0	74.9	79.4	232	302	252	177	60.0	20.0	66.7	37.1	MEAN
MAX	91.0	89.0	81.0	91.1	718	519	325	329	117	32.7	114	68.0	MAX
MIN	70.5	59.0	71.0	62.2	12.6	101	146	104	23.2	13.9	27.9	23.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 121
MAXIMUM DAILY, 718 ON MAY 28
MINIMUM DAILY, 12.6 ON MAY 8
MAXIMUM INSTANTANEOUS,
732 AT 06:00 MST ON MAY 28

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 47 N
LONG 111 35 28 W
DRAINAGE AREA, 25 300 km²

B - ICE CONDITIONS

REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	207 000	JUL	674 000
FEB	179 000	AUG	474 000
MAR	201 000	SEP	156 000
APR	206 000	OCT	53 500
MAY	622 000	NOV	173 000
JUN	782 000	DEC	99 400

TOTAL DISCHARGE, 3 830 000 dam³

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.086B	0.079B	20.9 B	1.54	0.028	0.050	0.001	0.001	---	---	1
2	---	---	0.088B	0.110B	25.3	1.27	0.025	0.038	0.001	0.001	---	---	2
3	---	---	0.088B	0.123B	27.5	1.03	0.016	0.032	0.001	0.001	---	---	3
4	---	---	0.087B	0.116B	32.4	0.909	0.006	0.026	0.001	0.001	---	---	4
5	---	---	0.091B	0.105B	37.1	0.770	0.006	0.020	0.001	0.001	---	---	5
6	---	---	0.088B	0.106B	38.3	0.662	0.006	0.012	0.001	0.001	---	---	6
7	---	---	0.095B	0.103B	38.4	0.703	0.006	0.006	0.001	0.001	---	---	7
8	---	---	0.096B	0.097B	38.2	0.651	0.006	0.006	0.001	0.002	---	---	8
9	---	---	0.084B	0.100B	38.4	0.584	0.006	0.005	0.001	0.004	---	---	9
10	---	---	0.060B	0.109B	37.9	0.530	0.006	0.005	0.001	0.005	---	---	10
11	---	---	0.037B	0.100B	35.6	0.484	0.006	0.004	0.001	0.005	---	---	11
12	---	---	0.036B	0.099B	32.3	0.731	0.016	0.004	0.001	0.005	---	---	12
13	---	---	0.035B	0.097B	28.1	1.04	0.041	0.003	0.001	0.005	---	---	13
14	---	---	0.036B	0.110B	23.4	0.880	0.164	0.003	0.001	0.004	---	---	14
15	---	---	0.033B	0.111B	19.5	0.747	0.137	0.003	0	0.005	---	---	15
16	---	---	0.041B	0.176B	16.6	0.612	0.090	0.003	0	0.005	---	---	16
17	---	---	0.037B	0.384B	14.4	0.513	0.086	0.002	0.001	0.004	---	---	17
18	---	---	0.041B	0.280B	12.4	0.429	0.090	0.002	0.001	0.004	---	---	18
19	---	---	0.047B	0.222B	10.8	0.359	0.062	0.002	0.001	0.004	---	---	19
20	---	---	0.046B	0.226B	9.19	0.292	0.055	0.002	0.001	0.004	---	---	20
21	---	---	0.043B	0.266B	7.82	0.231	0.052	0.001	0.001	0.004	---	---	21
22	---	---	0.047B	0.427B	6.68	0.175	0.046	0.001	0.001	0.004	---	---	22
23	---	---	0.047B	1.48 B	5.53	0.135	0.042	0.001	0.001	0.004	---	---	23
24	---	---	0.038B	5.74 B	4.69	0.101	0.039	0.001	0.001	0.005	---	---	24
25	---	---	0.022B	12.8 B	4.10	0.080	0.032	0.001	0.001	0.005	---	---	25
26	---	0.076B	0.024B	14.0 B	3.52	0.051	0.027	0.001	0.001	0.006	---	---	26
27	---	0.075B	0.029B	15.2 B	3.27	0.048	0.023	0.001	0.001	0.006	---	---	27
28	---	0.087B	0.036B	12.6 B	2.90	0.042	0.017	0.001	0.001	0.009	---	---	28
29	---		0.041B	15.3 B	2.50	0.034	0.017	0.001	0.001	0.011A	---	---	29
30	---		0.047B	17.2 B	2.16	0.033	0.018	0.001	0.001	0.011E	---	---	30
31	---		0.053B		1.87		0.025	0.001		0.011E		---	31
TOTAL	---	---	1.679	97.866	581.73	15.666	1.196	0.239	0.028	0.139	---	---	TOTAL
MEAN	---	---	0.054	3.26	18.8	0.522	0.039	0.008	0.001	0.004	---	---	MEAN
MAX	---	---	0.096	17.2	38.4	1.54	0.164	0.050	0.001	0.011	---	---	MAX
MIN	---	---	0.022	0.079	1.87	0.033	0.006	0.001	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.85
MAXIMUM DAILY, 38.4 ON MAY 7
MINIMUM DAILY, 0 ON SEP 15
MAXIMUM INSTANTANEOUS,
38.4 AT 12:00 MST ON MAY 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 26 42 N
LONG 116 16 10 W
DRAINAGE AREA, 6 270 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	103
FEB	---	AUG	20.6
MAR	145	SEP	2.42
APR	8 460	OCT	12.0
MAY	50 300	NOV	---
JUN	1 350	DEC	---

TOTAL DISCHARGE, 60 400 dam³

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	2.45	0.001	0	0	0	0	---	---	1
2	---	---	0B	0 B	2.40	0.001	0	0	0	0	---	---	2
3	---	---	0B	0 B	2.26	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	2.16	0	0	0	0	0	---	---	4
5	---	---	0B	0.001B	1.93	0	0	0	0	0	---	---	5
6	---	---	0B	0.040B	1.54	0	0	0	0	0	---	---	6
7	---	---	0B	0.646B	1.01	0	0	0	0	0	---	---	7
8	---	---	0B	0.728B	0.712	0	0	0	0	0	---	---	8
9	---	---	0B	0.908B	0.426	0	0	0	0	0	---	---	9
10	---	---	0B	0.727B	0.299	0	0	0	0	0	---	---	10
11	---	---	0B	0.419B	0.223	0	0	0	0	0	---	---	11
12	---	---	0B	0.238B	0.163	0	0	0	0	0	---	---	12
13	---	---	0B	0.118B	0.134	0	0	0	0	0	---	---	13
14	---	---	0B	0.073B	0.105	0	0	0	0	0	---	---	14
15	---	---	0B	0.052B	0.089	0	0	0	0	0	---	---	15
16	---	---	0B	0.044B	0.080	0	0	0	0	0	---	---	16
17	---	---	0B	0.038B	0.064	0	0	0	0	0	---	---	17
18	---	---	0B	0.057B	0.039	0	0	0	0	0	---	---	18
19	---	---	0B	0.085B	0.026	0	0	0	0	0	---	---	19
20	---	---	0B	0.128B	0.016	0	0	0	0	0	---	---	20
21	---	---	0B	0.179B	0.010	0	0	0	0	0	---	---	21
22	---	---	0B	0.232	0.006	0	0	0	0	0	---	---	22
23	---	---	0B	0.321	0.004	0	0	0	0	0	---	---	23
24	---	---	0B	0.474	0.002	0	0	0	0	0	---	---	24
25	---	---	0B	1.30	0.002	0	0	0	0	0	---	---	25
26	---	---	0B	3.16 A	0.003	0	0	0	0	0	---	---	26
27	---	0B	0B	8.43 A	0.005	0.001	0	0	0	0	---	---	27
28	---	0B	0B	5.29	0.005	0.001	0	0	0	0	---	---	28
29	---		0B	3.83	0.004	0	0	0	0	0	---	---	29
30	---		0B	2.83	0.003	0	0	0	0	0	---	---	30
31	---		0B		0.002		0	0		0		---	31
TOTAL	---	---	0	30.348	16.172	0.004	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.01	0.522	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	8.43	2.45	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.190
MAXIMUM DAILY, 8.43A ON APR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.6E AT 01:00 MST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 54 30 N
LONG 117 36 45 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 620	OCT	0
MAY	1 400	NOV	---
JUN	0.35	DEC	---

TOTAL DISCHARGE, 4 020 dam³

BRAZEAU RESERVOIR - STATION NO. 05DD006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	961.00	959.39	956.22	953.35	953.41	957.59	960.91	964.63	964.27	965.67	965.94	964.63	1
2	960.97	959.36	956.04	953.38	953.60	957.74	961.03	964.60	964.36	965.67	965.94	964.57	2
3	960.85	959.30	955.88	953.38	953.63	958.02	961.10	964.51	964.39	965.73	965.91	964.54	3
4	960.82	959.27	955.67	953.44	953.63	958.17	961.19	964.39	964.39	965.82	965.88	964.51	4
5	960.76	959.21	955.55	953.44	953.66	958.32	961.31	964.27	964.42	965.85	965.85	964.48	5
6	960.70	959.21	955.37	953.51	953.72	958.41	961.46	964.17	964.45	965.85	965.82	964.48	6
7	960.64	959.14	955.15	953.51	953.75	958.57	961.58	964.02	964.51	965.91	965.79	964.45	7
8	960.58	959.08	955.00	953.51	954.02	958.69	961.61	963.90	964.51	965.94	965.73	964.39	8
9	960.55	959.02	954.79	953.35	954.15	958.75	961.74	963.84	964.51	965.97	965.67	964.30	9
10	960.46	958.99	954.66	953.35	954.33	958.84	961.80	963.81	964.63	965.94	965.67	964.20	10
11	960.42	958.96	954.42	953.38	954.51	958.96	961.83	963.81	964.63	965.88	965.58	964.14	11
12	960.33	958.90	954.27	953.44	954.60	959.18	961.89	963.75	964.66	965.91	965.58	964.02	12
13	960.27	958.84	954.08	953.29	954.76	959.27	961.92	963.81	964.75	965.94	965.55	963.96	13
14	960.24	958.66	953.84	953.35	954.85	959.39	962.16	963.84	964.84	965.94	965.45	963.84	14
15	960.24	958.50	953.66	953.29	955.12	959.54	962.99	963.84	964.78	965.94	965.42	963.72	15
16	960.18	958.35	953.54	953.35	955.43	959.60	963.41	963.81	964.78	965.94	965.39	963.59	16
17	960.12	958.17	953.41	953.44	955.58	959.78	963.53	963.87	964.84	966.00	965.36	963.53	17
18	960.09	958.05	953.35	953.54	955.73	959.94	963.53	963.87	964.84	966.03	965.27	963.44	18
19	960.06	957.89	953.32	953.66	955.94	960.00	963.47	963.87	964.91	966.03	965.24	963.38	19
20	959.97	957.71	953.32	953.63	956.10	960.15	963.41	963.84	965.00	966.06	965.15	963.29	20
21	959.94	957.56	953.32	953.69	956.19	960.24	963.41	963.93	965.03	966.03	965.12	963.23	21
22	959.88	957.35	953.29	953.60	956.43	960.27	963.53	963.96	965.09	966.00	965.00	963.17	22
23	959.85	957.19	953.29	953.32	956.61	960.36	963.63	963.99	965.15	966.03	964.97	963.11	23
24	959.82	957.01	953.26	953.29	956.68	960.39	964.14	963.99	965.21	966.03	964.91	963.11	24
25	959.82	956.86	953.29	953.35	956.80	960.46	964.39	964.02	965.30	966.03	964.81	963.11	25
26	959.69	956.71	953.26	953.44	956.89	960.52	964.14	963.99	965.39	966.03	964.75	963.05	26
27	959.66	956.52	953.23	953.32	957.01	960.61	964.02	964.05	965.45	966.03	964.75	962.99	27
28	959.60	956.40	953.26	953.38	957.01	960.70	964.08	964.08	965.48	966.00	964.69	962.92	28
29	959.57		953.29	953.26	957.01	960.73	964.20	964.14	965.55	966.00	964.69	962.86	29
30	959.51		953.29	953.29	957.16	960.79	964.39	964.20	965.58	966.00	964.69	962.80	30
31	959.48		953.32		957.29		964.57	964.20		965.97		962.71	31
MEAN	960.20	958.27	954.12	953.42	955.34	959.47	962.79	964.03	964.86	965.98	965.35	963.69	MEAN
MAX	961.00	959.39	956.22	953.69	957.29	960.79	964.57	964.63	965.58	966.06	965.94	964.63	MAX
MIN	959.48	956.40	953.23	953.26	953.41	957.59	960.91	963.75	964.27	965.67	964.69	962.71	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 960.64
MAXIMUM DAILY, 966.06 ON OCT 20
MINIMUM DAILY, 953.23 ON MAR 27
MAXIMUM INSTANTANEOUS,
966.06 ON OCT 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 58 14 N
LONG 115 34 49 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	37.3	25.5	63.8	14.5	19.1	62.8	30.3	231	58.4	11.9	39.4	23.3	1
2	36.8	25.6	62.4	14.5	20.4	65.1	51.8	235	54.2	16.4	39.3	31.6	2
3	38.9	25.8	64.1	11.1	4.79	63.2	65.2	224	55.4	0.800	45.8	35.3	3
4	35.3	26.5	64.3	1.64	27.4	61.7	55.8	225	57.6	2.59	42.1	30.2	4
5	33.2	27.1	66.9	3.73	27.4	61.3	55.8	220	58.4	12.1	47.5	14.7	5
6	34.9	23.8	63.9	15.9	32.3	60.2	42.2	204	42.4	26.7	43.2	20.1	6
7	33.8	27.0	64.2	12.0	46.5	37.8	57.8	173	41.9	6.10	45.3	24.4	7
8	35.8	24.8	66.9	18.2	31.5	36.0	75.9	125	43.8	18.8	47.7	42.4	8
9	35.9	24.5	63.3	40.1	53.9	50.1	54.9	158	53.2	24.1	41.5	50.5	9
10	36.1	25.4	63.0	20.9	59.3	44.3	45.1	138	28.3	48.2	40.5	44.7	10
11	36.6	26.3	65.4	8.03	65.1	46.3	53.4	113	37.7	67.9	53.9	46.1	11
12	36.9	25.9	62.9	2.80	58.1	46.6	41.5	103	29.0	16.9	41.8	51.2	12
13	27.7	25.2	63.8	38.3	51.9	53.4	46.4	86.8	10.3	17.5	45.8	47.1	13
14	25.7	61.5	65.7	18.5	57.9	57.3	39.0	93.7	14.6	30.4	45.9	64.6	14
15	24.2	69.2	63.6	14.7	58.3	55.6	142	104	44.7	36.1	41.0	60.9	15
16	24.7	64.7	55.7	3.35	59.1	69.7	193	97.6	48.7	14.2	43.9	52.5	16
17	22.6	64.4	50.4	3.04	66.4	45.4	212	70.0	35.1	8.37	41.4	47.6	17
18	25.1	64.8	26.2	1.76	63.7	40.2	190	84.8	37.8	15.0	45.5	40.5	18
19	27.5	64.8	24.4	0.856	87.3	42.2	208	98.0	14.7	17.0	45.4	41.2	19
20	29.1	67.6	14.0	24.7	99.6	36.8	203	90.4	15.9	23.0	56.7	44.3	20
21	21.1	69.3	13.5	35.5	120	39.0	192	59.9	38.1	43.3	52.1	44.8	21
22	29.4	62.5	12.2	101	128	45.0	173	72.4	41.0	35.3	56.3	37.7	22
23	30.3	62.4	16.1	56.2	156	26.4	197	73.6	28.4	25.4	40.2	35.6	23
24	28.2	74.4	15.1	44.1	158	36.2	203	68.7	10.1	29.7	44.6	95.5	24
25	24.8	62.9	14.8	37.3	134	36.8	250	68.4	8.94	34.9	43.0	37.4	25
26	43.3	65.5	12.1	20.2	144	35.5	376	76.2	4.91	41.4	44.6	41.1	26
27	30.4	65.0	14.2	52.9	145	29.3	294	54.9	15.1	34.3	29.8	40.2	27
28	27.3	63.7	15.2	14.4	145	55.3	208	53.1	12.8	41.4	19.9	36.7	28
29	22.4		13.8	43.7	96.2	43.5	180	47.5	5.97	35.5	14.1	39.9	29
30	27.6		14.8	3.63	68.7	34.4	208	48.5	15.8	36.5	21.4	36.7	30
31	25.3		13.5		69.2		227	57.2		40.7		40.5	31
TOTAL	948.2	1 316.1	1 290.2	677.536	2 354.09	1 417.4	4 371.1	3 554.7	959.22	812.460	1 259.6	1 299.3	TOTAL
MEAN	30.6	47.0	41.6	22.6	75.9	47.2	141	115	32.0	26.2	42.0	41.9	MEAN
MAX	43.3	74.4	66.9	101	158	69.7	376	235	58.4	67.9	56.7	95.5	MAX
MIN	21.1	23.8	12.1	0.856	4.79	26.4	30.3	47.5	4.91	0.800	14.1	14.7	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 55.5
MAXIMUM DAILY, 376 ON JUL 26
MINIMUM DAILY, 0.800 ON OCT 3
MAXIMUM INSTANTANEOUS,
430 AT 18:15 MDT ON JUL 26

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 45 N
LONG 115 21 50 W
DRAINAGE AREA, 5 650 km²

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	81 900	JUL	378 000
FEB	114 000	AUG	307 000
MAR	111 000	SEP	82 900
APR	58 500	OCT	70 200
MAY	203 000	NOV	109 000
JUN	122 000	DEC	112 000

TOTAL DISCHARGE, 1 750 000 dam³

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	22.8	88.9	24.0E	124	52.9	27.0	---	---	1
2	---	---	---	---	27.4	92.7	24.0E	114	55.0E	29.3	---	---	2
3	---	---	---	---	21.0	87.9	24.0E	108	59.0E	27.6	---	---	3
4	---	---	---	---	19.5	78.1	24.0E	105	56.0E	26.5	---	---	4
5	---	---	---	---	18.5	66.6	24.0E	101	57.0E	25.8	---	---	5
6	---	---	---	---	18.0	63.3	26.0E	95.2	61.0E	25.6	---	---	6
7	---	---	---	---	17.6	58.4	29.0E	91.3	56.0E	25.7	---	---	7
8	---	---	---	---	20.6	52.4	33.0E	90.2	49.0E	25.9	---	---	8
9	---	---	---	---	27.9	48.3	30.0E	88.2	45.0E	25.7	---	---	9
10	---	---	---	---	37.8	46.1	27.0E	84.3	42.0E	25.4	---	---	10
11	---	---	---	---	40.6	50.1	27.0E	81.6	41.3E	24.9	---	---	11
12	---	---	---	---	42.5	52.1	27.0E	80.1	40.0E	24.2	---	---	12
13	---	---	---	---	43.4	50.5	44.0E	79.4	38.7E	23.7	---	---	13
14	---	---	---	---	51.1	54.7	80.0E	77.7	37.5E	23.3	---	---	14
15	---	---	---	---	67.2	54.1	190 E	74.8	36.1E	22.9	---	---	15
16	---	---	---	---	59.5	53.0A	130 E	73.2	34.9E	22.4	---	---	16
17	---	---	---	---	58.2	52.0E	96.0E	71.5	34.6E	21.9	---	---	17
18	---	---	---	---	66.0	48.0E	85.0E	69.8	34.7E	21.5	---	---	18
19	---	---	---	---	80.2	44.0E	75.0E	67.4	35.7E	21.0	---	---	19
20	---	---	---	---	79.1	40.0E	70.0E	65.3	43.6E	20.6	---	---	20
21	---	---	---	---	102	36.0E	111 A	66.0	42.0E	20.0	---	---	21
22	---	---	---	---	117	32.0E	139	62.7	39.0E	19.4	---	---	22
23	---	---	---	---	112	30.0E	148	59.4	38.5E	19.1	---	---	23
24	---	---	---	---	107	27.0E	186	57.2	41.0E	19.5	---	---	24
25	---	---	---	---	113	25.0E	170	56.5	38.0E	21.0	---	---	25
26	---	---	---	---	132	24.0E	139	56.9	35.0E	21.5	---	---	26
27	---	---	---	---	123	24.0E	124	58.3	31.6E	21.1	---	---	27
28	---	---	---	---	96.2	24.0E	121	57.2	30.3E	20.5A	---	---	28
29	---		---	18.1	80.6	24.0E	125	54.7	28.8A	20.0E	---	---	29
30	---		---	18.8	84.9	24.0E	152	58.0	27.4	20.0E	---	---	30
31	---		---		88.4		141	57.2		20.0E		---	31
TOTAL	---	---	---	---	1 975.0	1 451.2	2 645.0	2 386.1	1 261.6	713.0	---	---	TOTAL
MEAN	---	---	---	---	63.7	48.4	85.3	77.0	42.1	23.0	---	---	MEAN
MAX	---	---	---	---	132	92.7	190	124	61.0	29.3	---	---	MAX
MIN	---	---	---	---	17.6	24.0	24.0	54.7	27.4	19.1	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 190E ON JUL 15

MAXIMUM INSTANTANEOUS,
194 AT 16:35 MST ON JUL 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 50 N
LONG 116 34 40 W
DRAINAGE AREA, 2 590 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	229 000
FEB	---	AUG	206 000
MAR	---	SEP	109 000
APR	---	OCT	61 600
MAY	171 000	NOV	---
JUN	125 000	DEC	---

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.598	7.26	6.88	5.74	1.10	0.504	---	---	1
2	---	---	---	---	0.773	7.28	6.33	4.91	1.13	0.583	---	---	2
3	---	---	---	---	0.639	8.75	6.40	4.45	1.08	0.545	---	---	3
4	---	---	---	---	0.586	7.40	8.81	4.16	1.00	0.501	---	---	4
5	---	---	---	---	0.571	6.50	8.83	3.61	0.980	0.476	---	---	5
6	---	---	---	---	0.557	6.25	7.91	3.29	0.939	0.458	---	---	6
7	---	---	---	---	0.531	5.61	7.32	3.14	0.886	0.443	---	---	7
8	---	---	---	---	0.519	4.58	5.88	3.09	0.849	0.452	---	---	8
9	---	---	---	---	0.566	3.87	4.32	2.80	0.839	0.443	---	---	9
10	---	---	---	---	0.581	3.18	3.62	2.59	0.869	0.431	---	---	10
11	---	---	---	---	0.578	2.82	3.19	2.47	0.829	0.417	---	---	11
12	---	---	---	---	0.598	2.55	3.19	2.42	0.802	0.394	---	---	12
13	---	---	---	---	0.650	2.65	3.55	2.33	0.782	0.379	---	---	13
14	---	---	---	---	0.780	2.65	5.51	2.25	0.770	0.370	---	---	14
15	---	---	---	---	0.991	2.89	6.19	2.09	0.733	0.359	---	---	15
16	---	---	---	---	0.957	3.30	7.83	1.90	0.712	0.356	---	---	16
17	---	---	---	---	0.990	3.11	8.23	2.04	0.697	0.346	---	---	17
18	---	---	---	---	1.30	2.67	7.36	1.72	0.682	0.339	---	---	18
19	---	---	---	---	2.41	2.38	7.26	1.65E	0.724	0.337A	---	---	19
20	---	---	---	---	3.62	2.24	6.76	1.58E	0.735	0.320E	---	---	20
21	---	---	---	---	6.22	2.18	6.32	1.51E	0.710	0.360E	---	---	21
22	---	---	---	---	7.52	2.01	6.15	1.44E	0.675	0.340E	---	---	22
23	---	---	---	---	9.32	1.89	6.72	1.37E	0.640	0.320E	---	---	23
24	---	---	---	---	11.8	1.78	6.43	1.30E	0.624	0.310E	---	---	24
25	---	---	---	---	12.5	1.93	5.91	1.23	0.596	0.290E	---	---	25
26	---	---	---	---	13.5	3.12	5.23	1.21	0.585	0.295E	---	---	26
27	---	---	---	---	10.9	4.22	4.98	1.21	0.571	0.310E	---	---	27
28	---	---	---	---	7.91	3.35	4.91	1.15	0.546	0.315E	---	---	28
29	---		---	---	6.39	3.10	5.05	1.09	0.535	0.320E	---	---	29
30	---		---	---	6.93	4.19	6.60	1.17	0.515	0.330E	---	---	30
31	---		---		8.82		6.53	1.10		0.320E		---	31
TOTAL	---	---	---	---	120.605	115.71	190.20	72.01	23.135	11.963	---	---	TOTAL
MEAN	---	---	---	---	3.89	3.86	6.14	2.32	0.771	0.386	---	---	MEAN
MAX	---	---	---	---	13.5	8.75	8.83	5.74	1.13	0.583	---	---	MAX
MIN	---	---	---	---	0.519	1.78	3.19	1.09	0.515	0.290	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.90
MAXIMUM DAILY, 13.5 ON MAY 26
MINIMUM DAILY, 0.290E ON OCT 25
MAXIMUM INSTANTANEOUS,
14.4 AT 05:55 MST ON MAY 26

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 55 N
LONG 115 39 55 W
DRAINAGE AREA, 108 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 400
FEB	---	AUG	6 220
MAR	---	SEP	2 000
APR	---	OCT	1 030
MAY	10 400	NOV	---
JUN	10 000	DEC	---

TOTAL DISCHARGE, 46 100 dam³

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.029B	0.138	0.015	0	0	0	0	0 B	---	1
2	---	0.002B	0.002B	0.076B	0.111	0.011	0	0	0	0	0 B	---	2
3	---	---	---	0.080B	0.093	0.012	0	0	0	0	0 B	---	3
4	---	---	---	0.075B	0.088	0.016	0	0	0	0	0 B	---	4
5	0.004B	---	0.002B	0.102B	0.089	0.007	0	0	0	0	0 B	---	5
6	---	---	---	0.120B	0.065	0.005	0	0	0	0	0 B	---	6
7	---	---	---	0.151B	0.055	0.004	0	0	0	0	0 B	0.001B	7
8	---	---	---	0.176B	0.060	0.028	0	0	0	0	0 B	---	8
9	---	0.002B	0.002B	0.188B	0.079	0.004	0	0	0	0	0 B	---	9
10	---	---	---	0.225B	0.039	0.002	0	0	0	0	0 B	---	10
11	---	---	0.002B	0.196B	0.020	0.002	0	0	0	0	0 B	---	11
12	0.006B	---	0.003B	0.152B	0.019	0.001	0	0	0	0	0 B	---	12
13	---	---	0.003B	0.115B	0.012	0.001	0	0	0	0	0 B	---	13
14	---	---	0.003B	0.094B	0.016	0.001	0	0	0	0	0 B	0.003B	14
15	---	---	0.003B	0.095B	0.025	0.001	0	0	0	0	0 B	---	15
16	---	0.003B	0.004B	0.113	0.028	0.001	0	0	0	0	0 B	---	16
17	---	---	0.004B	0.140	0.029	0.001	0	0	0	0	0 B	---	17
18	---	---	0.004B	0.168	0.019	0.001	0	0	0	0	---	---	18
19	0.004B	---	0.004B	0.221	0.016	0.001	0	0	0	0	---	---	19
20	---	0.003B	0.004B	0.390	0.011	0.001	0	0	0	0	---	---	20
21	---	---	0.004B	1.03	0.006	0.001	0	0	0	0	---	---	21
22	---	---	0.004B	0.876	0.008	0	0.001	0	0	0	---	---	22
23	---	0.002B	0.003B	0.727	0.035	0	0.001	0	0	0	0.001B	---	23
24	---	---	0.004B	0.635	0.032	0	0	0	0	0	---	---	24
25	---	---	0.004B	0.563	0.020	0	0	0	0	0	---	---	25
26	0.003B	---	0.005B	0.491	0.027	0	0	0	0	0B	---	---	26
27	---	---	0.006B	0.405	0.026	0	0	0	0	0B	---	---	27
28	---	---	0.006B	0.333	0.019	0	0	0	0	0B	---	---	28
29	---		0.014B	0.269	0.007	0	0	0	0	0B	---	---	29
30	---		0.011B	0.216	0.004	0	0	0	0	0B	0.001B	---	30
31	---		0.014B		0.011		0	0		0B		---	31
TOTAL	---	---	---	8.451	1.207	0.116	0.002	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.282	0.039	0.004	0	0	0	0	---	---	MEAN
MAX	---	---	---	1.03	0.138	0.028	0.001	0	0	0	---	---	MAX
MIN	---	---	---	0.029	0.004	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.03 ON APR 21
MINIMUM DAILY, 0 ON JUN 22
MAXIMUM INSTANTANEOUS,
1.14 AT 06:51 MST ON APR 21

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 10 N
LONG 117 44 02 W
DRAINAGE AREA, 19.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.17
FEB	---	AUG	0
MAR	---	SEP	0
APR	730	OCT	0
MAY	104	NOV	---
JUN	10.0	DEC	---

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.963	4.25	3.77	13.0	1.85	1.19	---	---	1
2	---	---	---	---	0.843	3.61	3.38	10.9	2.57	1.33	---	---	2
3	---	---	---	---	0.588	3.41	2.68	9.16	2.68	1.27	---	---	3
4	---	---	---	---	0.574	3.00	2.39	8.00	2.40	1.19	---	---	4
5	---	---	---	---	0.557	2.67	2.22	7.18	2.41	1.10	---	---	5
6	---	---	---	---	0.493	2.50	2.16	6.00	2.12	1.13	---	---	6
7	---	---	---	---	0.490	2.32	3.10	5.26	1.89	1.19	---	---	7
8	---	---	---	---	0.876	2.21	3.51	4.70	1.67	1.23	---	---	8
9	---	---	---	---	1.68	2.30	2.71	4.15	1.52	1.21	---	---	9
10	---	---	---	---	2.96	2.42	2.41	3.65	1.42	1.17	---	---	10
11	---	---	---	---	3.75	3.75	2.32	3.29	1.32	1.11	---	---	11
12	---	---	---	---	4.15	3.86	2.18	3.11	1.25	1.04	---	---	12
13	---	---	---	---	4.08	3.85	2.09	2.76	1.20	0.988	---	---	13
14	---	---	---	---	5.06	5.51	7.57	2.48	1.15	1.00	---	---	14
15	---	---	---	---	15.3	4.66	14.9	2.39	1.10	1.00	---	---	15
16	---	---	---	---	9.01	4.17	12.8	2.27	1.04	1.02	---	---	16
17	---	---	---	---	8.21	3.91	10.1	2.14	0.985	0.984	---	---	17
18	---	---	---	---	8.01	3.75	8.18	2.86	0.930	0.923	---	---	18
19	---	---	---	---	7.16	3.40	6.91	4.01	1.08	0.910	---	---	19
20	---	---	---	---	6.12	3.30	5.92	3.17	1.96	0.870	---	---	20
21	---	---	---	---	5.42	3.55	6.19	3.63	1.48	0.792B	---	---	21
22	---	---	---	---	5.47	3.04	7.11	2.92	1.51	0.736B	---	---	22
23	---	---	---	---	5.39	2.76	9.12	2.47	1.64	0.860	---	---	23
24	---	---	---	---	5.28	2.50	18.1	2.19	1.90	0.975	---	---	24
25	---	---	---	---	4.50	2.29	16.5	2.00	1.78	1.23	---	---	25
26	---	---	---	---	4.01	2.15	12.8	1.90	1.66	1.43	---	---	26
27	---	---	---	---	3.62	3.33	10.1	2.05	1.52	1.29	---	---	27
28	---	---	---	---	3.42	3.20	9.44	1.74	1.41	1.19 A	---	---	28
29	---		---	---	3.10	2.58	12.8	1.74	1.31	1.20 E	---	---	29
30	---		---	0.804	2.89	2.28	16.5	2.35	1.24	1.15 E	---	---	30
31	---		---		3.46		14.2	2.09		1.10 E		---	31
TOTAL	---	---	---	---	127.434	96.53	234.16	125.56	47.995	33.808	---	---	TOTAL
MEAN	---	---	---	---	4.11	3.22	7.55	4.05	1.60	1.09	---	---	MEAN
MAX	---	---	---	---	15.3	5.51	18.1	13.0	2.68	1.43	---	---	MAX
MIN	---	---	---	---	0.490	2.15	2.09	1.74	0.930	0.736	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 18.1 ON JUL 24

MAXIMUM INSTANTANEOUS,
20.3 AT 14:25 MST ON JUL 24

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 40 N
LONG 116 21 20 W
DRAINAGE AREA, 216 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	20 200
FEB	---	AUG	10 800
MAR	---	SEP	4 150
APR	---	OCT	2 920
MAY	11 000	NOV	---
JUN	8 340	DEC	---

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	1.54 B	0.161	0.060	0.011	0.009	0	0	0.025	---	1
2	---	---	0.013B	1.36	0.192	0.048	0.048	0.028	0	0	0.027	---	2
3	---	---	0.017B	1.04	0.223	0.042E	0.019	0.056	0	0	0.033A	---	3
4	---	---	0.021B	1.08	0.206	0.041E	0.011	0.103	0	0	---	---	4
5	---	---	0.025B	0.894	0.192	0.040E	0.008	0.091	0	0	---	---	5
6	---	---	0.041B	0.942	0.180	0.039E	0.005	0.062	0	0	---	---	6
7	---	---	0.053B	0.796	0.201	0.038E	0.003	0.038	0	0	---	---	7
8	---	---	0.063B	0.720	0.171	0.037E	0.003	0.028	0	0	---	---	8
9	---	---	0.075B	0.652	0.142	0.036E	0.001	0.029	0	0	---	---	9
10	---	---	0.085B	0.592	0.142	0.035E	0.008	0.018	0	0	---	---	10
11	---	---	0.102B	0.536	0.144	0.034E	0.057	0.010	0	0	---	---	11
12	---	---	0.122B	0.483	0.137	0.033E	0.074	0.008	0	0	---	---	12
13	---	---	0.150B	0.407	0.136	0.032E	0.050	0.007	0	0	---	---	13
14	---	---	0.180B	0.409	0.145	0.031E	0.043	0.006	0	0	---	---	14
15	---	---	0.214B	0.365A	0.170	0.030E	0.036	0.005	0	0	---	---	15
16	---	---	0.272B	0.344E	0.129	0.029E	0.010	0.003	0	0	---	---	16
17	---	---	0.395B	0.326	0.151	0.032A	0.016	0.002	0	0	---	---	17
18	---	---	0.527B	0.304	0.126	0.026	0.048	0.001	0	0	---	---	18
19	---	---	0.630B	0.262	0.113	0.030	0.011	0	0	0.012	---	---	19
20	---	---	0.720B	0.231	0.119	0.025	0.009	0	0	0.025	---	---	20
21	---	---	0.800B	0.230	0.100	0.030	0.001	0	0	0.021	---	---	21
22	---	---	0.863B	0.259	0.098	0.023	0	0	0	0.017	---	---	22
23	---	---	1.11 B	0.237A	0.096	0.019	0	0	0	0.021	---	---	23
24	---	---	0.797B	0.223E	0.077	0.022	0	0	0	0.029	---	---	24
25	---	---	0.686B	0.209E	0.084	0.016	0	0	0	0.030	---	---	25
26	---	---	1.07 B	0.196E	0.077	0.023	0	0	0	0.030	---	---	26
27	---	---	1.46 B	0.182E	0.059	0.016	0	0	0	0.026	---	---	27
28	---	---	2.06 B	0.168A	0.120	0.004	0	0	0	0.027	---	---	28
29	---		2.34 B	0.169	0.105	0.012	0	0	0	0.027	---	---	29
30	---		1.78 B	0.159	0.057	0.004	0	0	0	0.025	---	---	30
31	---		1.26 B		0.060		0.005	0		0.024		---	31
TOTAL	---	---	17.941	15.315	4.113	0.887	0.477	0.500	0	0.314	---	---	TOTAL
MEAN	---	---	0.579	0.511	0.133	0.030	0.015	0.016	0	0.010	---	---	MEAN
MAX	---	---	2.34	1.54	0.223	0.060	0.074	0.103	0	0.030	---	---	MAX
MIN	---	---	0.010	0.159	0.057	0.004	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.161
MAXIMUM DAILY, 2.34B ON MAR 29
MINIMUM DAILY, 0 ON JUL 22
MAXIMUM INSTANTANEOUS,
2.40 AT 15:30 MST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 26 N
LONG 110 51 57 W
DRAINAGE AREA, 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	41.2
FEB	---	AUG	43.2
MAR	1 550	SEP	0
APR	1 320	OCT	27.1
MAY	355	NOV	---
JUN	76.6	DEC	---

TOTAL DISCHARGE, 3 410 dam³

BUFFALO LAKE NEAR ERSKINE - STATION NO. 05CD005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	780.522	---	780.539	780.444	---	---	---	780.208	---	1
2	---	---	---	---	---	---	---	780.403	780.299	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	780.210	---	3
4	---	---	---	---	---	780.544	---	---	---	780.232	---	---	4
5	---	---	780.473	---	---	---	780.436	780.396	---	---	---	---	5
6	---	---	---	---	780.513	---	---	---	780.296	780.223	---	---	6
7	---	---	---	---	---	780.538	---	---	---	780.230	---	---	7
8	---	---	---	---	---	---	780.429	---	---	---	780.206	---	8
9	---	---	---	780.532	---	---	---	780.390	780.287	---	---	---	9
10	---	---	---	---	780.543	780.514	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	780.226	780.208	---	11
12	---	---	---	---	---	---	780.423	780.386	---	---	---	---	12
13	---	---	---	---	780.541	---	---	---	780.264	---	---	---	13
14	---	---	---	---	---	780.510	---	---	---	780.223	---	---	14
15	---	---	---	---	---	---	780.435	---	---	---	780.208	---	15
16	---	---	---	---	---	---	---	780.382	780.258	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	780.471	---	780.538	780.493	---	---	---	780.220	780.208	---	18
19	---	---	---	---	---	---	780.425	780.364	---	---	---	---	19
20	---	---	---	---	780.538	---	---	---	780.257	---	---	---	20
21	---	---	---	---	---	780.486	---	---	---	780.208	---	---	21
22	---	---	---	---	---	---	780.431	---	---	---	---	---	22
23	---	---	---	---	---	---	---	780.345	780.256	---	---	---	23
24	---	---	---	---	780.522	780.479	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	780.329	---	780.209	---	---	25
26	---	---	---	---	---	---	780.410	780.314	---	---	---	---	26
27	---	---	---	---	780.513	---	780.410	---	780.256	---	---	---	27
28	---	---	---	---	---	780.455	---	---	---	780.208	---	---	28
29	---	---	---	---	---	---	780.408	---	---	---	---	---	29
30	---	---	---	---	---	---	---	780.299	780.236	---	---	---	30
31	---	---	---	---	---	---	---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 27 53 N
LONG 112 52 57 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	0	0E	0E	0E	0E	0A	0E	---	1
2	---	---	0B	0	0	0E	0E	0E	0E	0	0E	---	2
3	---	---	0B	0	0	0E	0E	0E	0E	0	0E	---	3
4	---	---	0B	0	0	0E	0E	0E	0E	0	0E	---	4
5	---	---	0B	0	0	0E	0E	0E	0E	0A	0A	---	5
6	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	6
7	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	7
8	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	8
9	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	9
10	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	10
11	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	11
12	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	12
13	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	13
14	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	14
15	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	15
16	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	16
17	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	17
18	---	---	0B	0	0	0E	0E	0E	0E	0E	---	---	18
19	---	---	0B	0	0	0E	0A	0E	0E	0E	---	---	19
20	---	---	0B	0	0	0E	0	0E	0E	0E	---	---	20
21	---	---	0B	0	0	0E	0A	0E	0E	0E	---	---	21
22	---	---	0B	0	0	0A	0E	0A	0E	0E	---	---	22
23	---	---	0B	0	0	0	0E	0A	0E	0E	---	---	23
24	---	---	0B	0	0	0	0E	0	0E	0E	---	---	24
25	---	---	0B	0	0	0	0E	0	0E	0E	---	---	25
26	---	---	0	0	0	0A	0E	0A	0E	0E	---	---	26
27	---	---	0	0	0	0E	0E	0E	0E	0E	---	---	27
28	---	---	0	0	0A	0E	0E	0E	0E	0E	---	---	28
29	---	---	0	0	0E	0E	0E	0E	0E	0E	---	---	29
30	---	---	0	0	0E	---	0E	0E	0E	0E	---	---	30
31	---	---	0	---	---	---	0E	---	---	0E	---	---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 56 N
LONG 111 55 44 W
DRAINAGE AREA, 1 470 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

CABIN CREEK NEAR SEEBE - STATION NO. 05BP019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.007	0.005	0.004	0.004	0.051	0.165	0.077	0.082	0.023	0.012	0.007	0.007	1
2	0.007	0.005	0.003	0.004	0.034	0.214	0.076	0.077	0.022	0.012	0.007	0.005	2
3	0.007	0.005	0.003	0.004	0.028	0.229	0.072	0.074	0.021	0.012	0.007	0.005	3
4	0.007	0.005	0.004	0.004	0.025	0.202	0.069	0.071	0.021	0.011	0.007	0.005	4
5	0.006	0.005	0.004	0.004	0.037	0.174	0.066	0.066	0.020	0.011	0.006	0.005	5
6	0.006	0.005	0.004	0.004	0.060	0.158	0.064	0.062	0.020	0.011	0.006	0.005	6
7	0.006	0.005	0.004	0.004	0.019	0.138	0.062	0.061	0.019	0.011	0.006	0.005	7
8	0.006	0.005	0.004	0.004	0.019	0.126	0.058	0.057	0.018	0.011	0.006	0.005	8
9	0.006	0.005	0.004	0.005	0.021	0.114	0.055	0.052	0.018	0.011	0.006	0.005	9
10	0.006	0.005	0.004	0.005	0.022	0.103	0.052	0.051	0.018	0.011	0.006	0.005	10
11	0.006	0.005	0.004	0.005	0.021	0.095	0.051	0.048	0.017	0.011	0.006	0.005	11
12	0.006	0.004	0.004	0.005	0.021	0.089	0.048	0.047	0.016	0.011	0.006	0.005	12
13	0.005	0.003	0.004	0.005	0.024	0.139	0.049	0.045	0.016	0.010	0.006	0.005	13
14	0.005	0.005	0.004	0.005	0.033	0.171	0.077	0.043	0.016	0.010	0.006	0.005	14
15	0.005	0.005	0.004	0.006	0.044	0.178	0.076	0.040	0.015	0.010	0.006	0.005	15
16	0.005	0.005	0.004	0.006	0.034	0.183	0.083	0.040	0.015	0.010	0.006	0.005	16
17	0.005	0.005	0.004	0.006	0.037	0.170	0.083	0.040	0.014	0.010	0.006	0.005	17
18	0.005	0.005	0.004	0.007	0.065	0.154	0.081	0.037	0.014	0.009	0.005	0.005	18
19	0.005	0.005	0.004	0.008	0.099	0.141	0.076	0.034	0.014	0.009	0.006	0.005	19
20	0.005	0.005	0.004	0.010	0.114	0.132	0.073	0.033	0.014	0.009	0.006	0.005	20
21	0.005	0.005	0.004	0.013	0.271	0.120	0.072	0.032	0.014	0.009	0.006	0.005	21
22	0.005	0.005	0.004	0.013	0.240	0.109	0.068	0.031	0.013	0.008	0.006	0.005	22
23	0.005	0.005	0.004	0.018	0.227	0.099	0.074	0.029	0.013	0.008	0.006	0.004	23
24	0.005	0.005	0.004	0.023	0.230	0.088	0.077	0.028	0.013	0.008	0.007	0.004	24
25	0.005	0.005	0.004	0.017	0.229	0.077	0.082	0.027	0.013	0.008	0.006	0.004	25
26	0.005	0.005	0.004	0.016	0.242	0.072	0.079	0.026	0.013	0.009	0.005	0.004	26
27	0.005	0.005	0.004	0.015	0.199	0.075	0.075	0.025	0.013	0.008	0.006	0.004	27
28	0.005	0.004	0.004	0.018	0.165	0.069	0.075	0.023	0.013	0.008	0.007	0.002A	28
29	0.005		0.004	0.018	0.151	0.066	0.093	0.023	0.012	0.007	0.007	0.002E	29
30	0.005		0.004	0.028	0.143	0.065	0.086	0.025	0.012	0.007	0.006	0.002E	30
31	0.005		0.004		0.133		0.084	0.023		0.007		0.002E	31
TOTAL	0.171	0.136	0.122	0.284	3.038	3.915	2.213	1.352	0.480	0.299	0.185	0.140	TOTAL
MEAN	0.006	0.005	0.004	0.009	0.098	0.131	0.071	0.044	0.016	0.010	0.006	0.005	MEAN
MAX	0.007	0.005	0.004	0.028	0.271	0.229	0.093	0.082	0.023	0.012	0.007	0.007	MAX
MIN	0.005	0.003	0.003	0.004	0.019	0.065	0.048	0.023	0.012	0.007	0.005	0.002	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 0.271 ON MAY 21
MINIMUM DAILY, 0.002A ON DEC 28
MAXIMUM INSTANTANEOUS,
0.403 AT 16:20 MST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 33 N
LONG 115 10 00 W
DRAINAGE AREA, 2.12 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14.8	JUL	191
FEB	11.8	AUG	117
MAR	10.5	SEP	41.5
APR	24.5	OCT	25.8
MAY	262	NOV	16.0
JUN	338	DEC	12.1

TOTAL DISCHARGE, 1 070 dam³

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.096	0.319	1.30	1.07	0.192	0.176	0.046	---	1
2	---	---	---	---	0.122	0.311	1.42	1.02	0.193	0.119	0.035	---	2
3	---	---	---	---	0.165	0.338	1.80	0.868	0.191	0.089	0.038	---	3
4	---	---	---	---	0.199	1.06	1.79	0.824	0.177	0.077	0.038A	---	4
5	---	---	---	---	0.228	0.653	1.81	0.808	0.175	0.070	---	---	5
6	---	---	---	---	0.544	0.373	1.79	0.793	0.174	0.064	---	---	6
7	---	---	---	---	1.58	0.367	1.71	0.433	0.168	0.053	---	---	7
8	---	---	---	---	1.65	0.364	1.76	0.261	0.166	0.378	---	---	8
9	---	---	---	---	1.18	0.348	2.04	0.250	0.159	0.132	---	---	9
10	---	---	---	---	1.01	0.381	1.93	0.244	0.154	0.085	---	---	10
11	---	---	---	---	0.957	0.399	1.83	0.237	0.149	0.102	---	---	11
12	---	---	---	---	0.939	0.645	1.80	0.233	0.147	0.092	---	---	12
13	---	---	---	---	0.950	0.633	1.81	0.229	0.145	0.080	---	---	13
14	---	---	---	---	0.977	0.452	1.94	0.248	0.142	0.074	---	---	14
15	---	---	---	---	1.07	0.460	3.37	0.273	0.149	0.070	---	---	15
16	---	---	---	---	2.59	1.03	2.72	0.273	0.157	0.056	---	---	16
17	---	---	---	---	2.42	0.979	2.88	0.287	0.146	0.047	---	---	17
18	---	---	---	---	2.24	0.430	2.61	0.289	0.138	0.048	---	---	18
19	---	---	---	---	0.772	0.281	2.50	0.351	0.149	0.042	---	---	19
20	---	---	---	---	1.20	0.242	2.55	0.374	0.201	0.037	---	---	20
21	---	---	---	---	0.552	0.216	2.74	0.356	0.183	0.032	---	---	21
22	---	---	---	---	0.430	0.202	2.69	0.341	0.177	0.029	---	---	22
23	---	---	---	---	0.425	0.189	2.57	0.291	0.193	0.031	---	---	23
24	---	---	---	---	0.418	0.177	2.16	0.267	0.186	0.047	---	---	24
25	---	---	---	---	0.413	0.182	2.16	0.257	0.172	0.052	---	---	25
26	---	---	---	---	0.370	0.189	2.05	0.232	0.162	0.044	---	---	26
27	---	---	---	0.272A	0.342	0.250	1.96	0.210	0.160	0.049	---	---	27
28	---	---	---	0.081	0.164	0.321	1.91	0.204	0.157	0.046	---	---	28
29	---		---	0.088	0.161	0.286	2.17	0.204	0.147	0.051	---	---	29
30	---		---	0.095	0.223	0.329	2.07	0.197	0.148	0.069	---	---	30
31	---		---		0.241		1.81	0.197		0.062		---	31
TOTAL	---	---	---	---	24.628	12.406	65.65	12.121	4.957	2.403	---	---	TOTAL
MEAN	---	---	---	---	0.794	0.414	2.12	0.391	0.165	0.078	---	---	MEAN
MAX	---	---	---	---	2.59	1.06	3.37	1.07	0.201	0.378	---	---	MAX
MIN	---	---	---	---	0.096	0.177	1.30	0.197	0.138	0.029	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.664
MAXIMUM DAILY, 3.37 ON JUL 15
MINIMUM DAILY, 0.029 ON OCT 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 30 N
LONG 113 21 05 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 670
FEB	---	AUG	1 050
MAR	---	SEP	428
APR	---	OCT	208
MAY	2 130	NOV	---
JUN	1 070	DEC	---

TOTAL DISCHARGE, 10 600 dam³

CALLING LAKE AT RANGER STATION - STATION NO. 07CB001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	593.940	593.960	593.995	594.009	593.908	593.788	---	---	1
2	---	---	---	---	593.945	593.955	594.000	594.014	593.898	593.788	---	---	2
3	---	---	---	---	593.950	593.955	593.990	594.014	593.893	593.778	---	---	3
4	---	---	---	---	593.950	593.960	593.990	594.014	593.888	593.773	---	---	4
5	---	---	---	---	593.950	593.960	593.995	594.019	593.883	593.768	---	---	5
6	---	---	---	---	593.950	593.955	593.995	594.014	593.878	593.768	---	---	6
7	---	---	---	---	593.960	593.960	594.000	594.004	593.873	593.758	---	---	7
8	---	---	---	---	593.960	593.960	594.005	593.998	593.878	593.753	---	---	8
9	---	---	---	---	593.960	593.965	594.020	593.993	593.873	593.748	---	---	9
10	---	---	---	---	593.960	593.980	594.020	593.993	593.873	593.793	---	---	10
11	---	---	---	---	593.960	593.965	594.025	593.993	593.873	593.788	---	---	11
12	---	---	---	---	593.960	593.955	594.020	593.988	593.868	593.783	---	---	12
13	---	---	---	---	593.962	593.960	594.020	593.983	593.863	593.768	---	---	13
14	---	---	---	---	593.962	593.960	594.020	593.978	593.863	593.763	---	---	14
15	---	---	---	---	593.958	593.955	594.020	593.973	593.833	593.758	---	---	15
16	---	---	---	---	593.956	593.959	594.020	593.973	593.833	593.753	---	---	16
17	---	---	---	---	593.956	593.966	594.020	593.963	593.828	593.758	---	---	17
18	---	---	---	---	593.956	593.976	594.014	593.952	593.813	593.758	---	---	18
19	---	---	---	---	593.965	593.978	594.014	593.948	593.818	593.753	---	---	19
20	---	---	---	---	593.970	593.981	594.014	593.943	593.813	593.748	---	---	20
21	---	---	---	---	593.980	593.976	594.014	593.948	593.813	593.743	---	---	21
22	---	---	---	593.673	593.975	593.981	594.019	593.948	593.818	593.742	---	---	22
23	---	---	---	---	593.975	594.001	594.019	593.943	593.813	593.742	---	---	23
24	---	---	---	---	593.960	593.991	594.024	593.938	593.813	593.742	---	---	24
25	---	---	---	---	593.955	594.001	594.014	593.933	593.813	593.742	---	---	25
26	---	---	---	---	593.960	594.001	594.014	593.933	593.803	593.742	---	---	26
27	---	---	---	---	593.955	594.000	594.014	593.933	593.798	593.742	---	---	27
28	---	---	---	---	593.955	594.000	594.014	593.928	593.788	593.742	---	---	28
29	---		---	---	593.960	593.990	594.019	593.928	593.788	593.742	---	---	29
30	---		---	---	593.960	593.990	594.014	593.903	593.788	593.742	---	---	30
31	---		---		593.955		594.014	593.893		593.742		---	31
MEAN	---	---	---	---	593.959	593.973	594.012	593.968	593.843	593.760	---	---	MEAN
MAX	---	---	---	---	593.980	594.001	594.025	594.019	593.908	593.793	---	---	MAX
MIN	---	---	---	---	593.940	593.955	593.990	593.893	593.788	593.742	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 594.025 ON JUL 11

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 13 35 N
LONG 113 12 05 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	17.0E	24.7	49.8	40.5	29.2	28.4	0	---	1
2	---	---	---	0	31.1E	35.2	50.5	37.2	29.3	18.0	0	---	2
3	---	---	---	0	31.1E	38.4	55.1	36.9	29.3	15.2	0A	---	3
4	---	---	---	0	42.4E	39.1	55.5	36.4	33.3	15.1	---	---	4
5	---	---	---	0	42.4E	39.7	55.7	30.6	43.2	15.7	---	---	5
6	---	---	---	0	42.4E	39.4	55.9	29.3	43.8	26.4	---	---	6
7	---	---	---	0	42.4E	39.7	61.5	29.2	43.8	29.2	---	---	7
8	---	---	---	0	42.4E	39.6	63.4	29.4	43.4	29.6	---	---	8
9	---	---	---	0	42.4E	39.7	62.9	29.3	43.5	47.5	---	---	9
10	---	---	---	0	42.4E	39.8	62.9	29.4	43.4	53.3	---	---	10
11	---	---	---	0	42.4E	42.8	62.9	29.3	43.3	53.3	---	---	11
12	---	---	---	0	42.4E	48.9	62.6	29.3	43.4	53.2	---	---	12
13	---	---	---	0	42.4A	42.7	62.8	29.3	43.3	53.2	---	---	13
14	---	---	---	0	42.4E	28.2	62.5	29.3	38.8	53.2	---	---	14
15	---	---	---	0	31.1E	23.5	62.7	29.4	29.7	53.3	---	---	15
16	---	---	---	0	17.0E	15.8	62.7	29.5	29.0	53.2	---	---	16
17	---	---	---	0	17.0E	15.2	62.6	29.5	28.8	53.2	---	---	17
18	---	---	---	0	17.0E	15.0	62.6	29.5	29.0	53.1	---	---	18
19	---	---	---	0	17.0E	14.9	62.5	29.6	28.9	51.0	---	---	19
20	---	---	---	0	11.3E	14.9	62.3	29.5	29.1	41.3	---	---	20
21	---	---	---	0	11.3E	14.9	62.6	29.5	29.0	9.07	---	---	21
22	---	---	---	0	11.3E	19.6	62.7	29.4	29.0	1.82	---	---	22
23	---	---	---	0	11.3E	31.1	62.6	29.4	29.1	0.424	---	---	23
24	---	---	0A	0	11.3E	36.3	62.6	29.2	29.1	0.063	---	---	24
25	---	---	0	0	11.3E	41.2	52.0	29.3	29.1	0	---	---	25
26	---	---	0	0	11.3E	49.5	48.6	29.3	29.2	0	---	---	26
27	---	---	0	0	11.3E	50.2	48.9	29.3	29.3	0	---	---	27
28	---	---	0	0	13.7A	50.2	48.9	29.3	29.2	0	---	---	28
29	---		0	0.831A	19.7	50.1	48.8	29.4	29.2	0	---	---	29
30	---		0	17.0 E	20.3	50.0	48.3	29.3	29.1	0	---	---	30
31	---		0		20.1		43.5	29.3		0		---	31
TOTAL	---	---	---	17.831	808.9	1 030.3	1 788.9	945.1	1 016.8	807.777	---	---	TOTAL
MEAN	---	---	---	0.594	26.1	34.3	57.7	30.5	33.9	26.1	---	---	MEAN
MAX	---	---	---	17.0	42.4	50.2	63.4	40.5	43.8	53.3	---	---	MAX
MIN	---	---	---	0	11.3	14.9	43.5	29.2	28.8	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.0
MAXIMUM DAILY, 63.4 ON JUL 8
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 05 N
LONG 112 41 53 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	155 000
FEB	---	AUG	81 700
MAR	---	SEP	87 900
APR	1 540	OCT	69 800
MAY	69 900	NOV	---
JUN	89 000	DEC	---

TOTAL DISCHARGE, 555 000 dam³

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	45.8	42.9	54.2	41.6	33.7	34.1	0	---	1
2	---	---	---	0	48.7	45.4	54.5	41.6	36.4	24.9	0	---	2
3	---	---	---	0	49.0	45.2	56.2	41.9	36.5	18.0	0	---	3
4	---	---	---	0	49.3	45.2	57.6	37.6	36.4	17.9	0A	---	4
5	---	---	---	0	49.4	45.3	57.6	27.6	36.1	21.8	---	---	5
6	---	---	---	0	49.3	45.2	57.6	27.5	36.1	29.4	---	---	6
7	---	---	---	0	49.5	45.3	61.3	27.5	36.2	29.3	---	---	7
8	---	---	---	0	49.7	45.2	63.4	27.6	36.1	29.2	---	---	8
9	---	---	---	0	49.7	41.1	63.3	27.5	36.1	41.9	---	---	9
10	---	---	---	0	49.6	38.7	63.1	27.6	35.8	55.5	---	---	10
11	---	---	---	0	44.7	43.9	63.3	27.7	35.5	55.4	---	---	11
12	---	---	---	0	41.1	46.8	63.2	27.9	35.7	55.3	---	---	12
13	---	---	---	0	41.4	34.0	63.1	28.2	35.7	55.3	---	---	13
14	---	---	---	0	41.2	22.0	62.9	30.2	35.8	55.3	---	---	14
15	---	---	---	0	28.9	10.2	62.9	30.2	35.9	55.1	---	---	15
16	---	---	---	0	11.1	3.73	62.9	30.2	35.8	55.0	---	---	16
17	---	---	---	0	7.22	3.78	62.8	30.2	35.6	54.9	---	---	17
18	---	---	---	0	7.26	3.71	62.5	30.3	35.4	54.9	---	---	18
19	---	---	---	0	7.27	3.67	62.3	30.4	35.4	47.9	---	---	19
20	---	---	---	0	7.22	3.68	62.3	30.3	35.5	29.7	---	---	20
21	---	---	---	0	7.24	3.68	62.4	30.3	35.4	4.26	---	---	21
22	---	---	---	0.276	7.44	11.2	62.5	30.3	35.4	0.072	---	---	22
23	---	---	---	0.324	7.30	30.0	62.5	30.3	35.3	0.048	---	---	23
24	---	---	0A	0.352	7.29	34.4	62.1	30.5	35.2	0.040	---	---	24
25	---	---	0	1.80	7.22	44.3	51.2	30.1	34.7	0.050	---	---	25
26	---	---	0	9.14	7.14	54.2	51.2	29.8	34.2	0.035	---	---	26
27	---	---	0	19.5	7.15	54.0	51.1	29.7	34.2	0.040	---	---	27
28	---	---	0	28.6	13.1	54.1	51.2	29.6	34.0	0.046	---	---	28
29	---		0	28.6	19.9	54.2	51.2	29.3	34.0	0.042	---	---	29
30	---		0	36.8	23.9	54.5	51.2	29.3	34.0	0.008	---	---	30
31	---		0		34.7		45.2	29.2		0		---	31
TOTAL	---	---	---	125.392	869.75	1 009.55	1 818.8	952.0	1 062.1	825.441	---	---	TOTAL
MEAN	---	---	---	4.18	28.1	33.7	58.7	30.7	35.4	26.6	---	---	MEAN
MAX	---	---	---	36.8	49.7	54.5	63.4	41.9	36.5	55.5	---	---	MAX
MIN	---	---	---	0	7.14	3.67	45.2	27.5	33.7	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 31.1
MAXIMUM DAILY, 63.4 ON JUL 8
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 39 N
LONG 113 02 35 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	157 000
FEB	---	AUG	82 300
MAR	---	SEP	91 800
APR	10 800	OCT	71 300
MAY	75 100	NOV	---
JUN	87 200	DEC	---

TOTAL DISCHARGE, 576 000 dam³

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.33	8.48	4.39	25.0	5.03	3.81	---	---	1
2	---	---	---	---	2.82	8.20	4.40	19.5	6.04	4.40	---	---	2
3	---	---	---	---	1.53	7.05	4.09	17.0	7.02	3.92	---	---	3
4	---	---	---	---	1.28	5.92	4.48	17.2	6.48	3.67	---	---	4
5	---	---	---	---	1.16	4.84	3.99	15.5	7.50	3.45	---	---	5
6	---	---	---	---	1.19	4.72	3.87	13.2	6.81	3.60	---	---	6
7	---	---	---	---	1.18	4.23	5.54	12.0	6.05	3.81	---	---	7
8	---	---	---	---	1.54	4.11	5.71	11.2	5.61	3.86	---	---	8
9	---	---	---	---	2.86	4.65	4.50	10.2	5.19	3.68	---	---	9
10	---	---	---	---	6.23	5.31	4.14	9.39	4.84	3.55	---	---	10
11	---	---	---	---	7.28	7.26	4.41	8.76	4.58	3.34	---	---	11
12	---	---	---	---	8.33	8.22	4.21	8.36	4.39	3.14	---	---	12
13	---	---	---	---	7.70	7.20	4.10	7.88	4.26	3.19	---	---	13
14	---	---	---	---	7.99	8.67	10.7	7.30	4.15	3.40	---	---	14
15	---	---	---	---	13.3	7.92	39.0	6.81	4.00	3.28	---	---	15
16	---	---	---	---	9.99	6.89	19.8	6.63	3.84	3.22	---	---	16
17	---	---	---	---	12.1	6.36	13.5	6.30	3.63	3.09	---	---	17
18	---	---	---	---	13.0	6.04	10.9	6.27	3.58	3.01	---	---	18
19	---	---	---	---	13.1	5.49	9.59	5.84	4.29	2.92	---	---	19
20	---	---	---	---	13.5	5.21	8.94	5.63	5.57	2.78	---	---	20
21	---	---	---	---	22.9	4.98	12.9	5.99	4.54	2.52	---	---	21
22	---	---	---	---	20.6	4.53	18.3	5.58	4.35	2.42	---	---	22
23	---	---	---	---	16.6	4.34	21.0	5.04	4.77	2.69	---	---	23
24	---	---	---	---	13.7	4.14	36.4	4.74	5.13	3.10	---	---	24
25	---	---	---	---	12.3	3.88	28.1	4.51	4.80	3.73	---	---	25
26	---	---	---	---	14.4	4.03	19.2	4.39	4.59	3.51	---	---	26
27	---	---	---	---	10.4	4.18	15.5	5.29	4.26	3.01	---	---	27
28	---	---	---	---	6.87	4.14	14.2	4.54	4.11	3.09A	---	---	28
29	---		---	2.09	5.67	3.68	18.4	4.94	3.98	3.00E	---	---	29
30	---		---	2.12	6.76	3.80	39.5	6.54	3.84	2.90E	---	---	30
31	---		---		7.70		31.8	5.49		2.90E		---	31
TOTAL	---	---	---	---	267.31	168.47	433.56	277.02	147.23	101.99	---	---	TOTAL
MEAN	---	---	---	---	8.62	5.62	14.0	8.94	4.91	3.29	---	---	MEAN
MAX	---	---	---	---	22.9	8.67	39.5	25.0	7.50	4.40	---	---	MAX
MIN	---	---	---	---	1.16	3.68	3.87	4.39	3.58	2.42	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 39.5 ON JUL 30

MAXIMUM INSTANTANEOUS,
57.0 AT 22:30 MST ON JUL 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 04 N
LONG 116 35 43 W

DRAINAGE AREA, 484 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	37 500
FEB	---	AUG	23 900
MAR	---	SEP	12 700
APR	---	OCT	8 810
MAY	23 100	NOV	---
JUN	14 600	DEC	---

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.23	9.15	18.5	14.7	15.1	18.7	0.595	20.9	6.57	9.58	5.71	15.3	1
2	12.2	7.78	14.4	14.5	15.4	25.4	0.571	21.0	4.07	8.66	5.72	15.2	2
3	10.7	8.51	14.3	14.5	17.5	14.7	0.583	21.1	4.08	6.46	8.73	13.9	3
4	7.40	8.60	15.7	12.2	21.1	27.5	0.580	21.1	4.03	6.68	8.68	14.2	4
5	9.56	8.71	15.5	13.5	21.6	27.5	0.575	21.2	0.566	6.83	9.15	14.0	5
6	8.93	9.82	16.5	14.9	20.6	26.9	0.575	19.9	0.528	8.62	9.43	14.8	6
7	9.32	9.68	17.0	14.9	18.3	26.2	0.574	21.3	0.512	6.88	8.63	15.1	7
8	10.1	9.64	18.4	17.8	14.7	26.0	0.534	21.2	0.508	6.75	9.24	13.8	8
9	6.05	8.46	18.8	15.5	21.3	27.4	7.10	21.1	0.513	8.89	8.73	14.8	9
10	5.70	9.88	14.6	14.9	20.8	26.3	14.7	21.1	0.498	6.35	11.7	12.6	10
11	6.16	9.48	12.0	15.6	18.0	24.8	5.71	21.1	7.97	6.64	13.7	15.1	11
12	9.55	9.65	8.10	14.9	11.5	18.7	0.599	21.1	9.03	6.47	15.8	14.8	12
13	9.74	9.71	9.39	14.0	5.92	14.9	0.555	21.1	0.519	6.35	13.8	17.2	13
14	8.83	8.74	9.99	10.0	7.22	15.1	14.9	21.1	12.0	6.25	15.7	12.7	14
15	9.28	5.65	6.76	9.09	7.29	15.1	31.1	21.1	4.61	6.31	14.9	4.96	15
16	9.30	6.57	9.05	8.17	7.52	15.0	12.8	21.1	0.522	6.15	14.4	15.1	16
17	8.50	9.51	12.2	8.84	4.62	15.6	6.59	21.1	0.500	5.67	14.5	15.8	17
18	7.29	11.6	15.5	8.95	6.31	14.7	18.7	21.2	0.481	6.42	15.3	18.7	18
19	12.1	15.2	14.7	8.38	6.81	15.2	20.8	21.3	0.479	6.74	15.3	18.4	19
20	12.0	13.4	14.5	8.99	9.80	14.7	20.9	18.7	0.484	6.41	15.0	19.1	20
21	9.06	14.8	15.3	9.05	13.3	14.9	21.0	20.3	2.15	5.72	14.6	17.3	21
22	9.19	14.6	14.6	11.4	14.0	14.9	21.1	21.0	1.78	5.56	15.5	17.5	22
23	9.18	16.3	15.4	12.8	17.6	5.71	19.2	20.9	0.737	6.66	15.5	18.2	23
24	9.40	16.6	15.5	11.4	17.6	5.78	21.0	21.0	0.512	6.25	14.7	18.8	24
25	3.88	17.9	15.0	11.3	4.26	0.623	21.0	21.0	0.492	7.10	14.4	18.0	25
26	9.08	18.0	14.1	11.5	0.579	0.601	20.9	20.9	0.471	9.02	14.8	18.1	26
27	8.95	18.5	14.8	15.8	0.556	0.607	20.9	14.2	2.15	6.73	10.3	18.1	27
28	9.11	21.5	12.1	15.2	0.545	0.604	20.8	12.2	10.6	9.28	14.7	17.9	28
29	9.91		12.8	14.3	12.9	0.599	20.9	10.6	9.30	9.28	14.6	14.3	29
30	9.03		14.3	9.57	13.3	0.595	20.9	6.36	9.54	8.23	14.5	14.2	30
31	9.22		14.8		13.2		20.9	6.22		6.35		14.8	31
TOTAL	274.95	329.94	434.59	376.64	379.230	455.319	387.641	593.48	96.202	219.29	376.12	482.76	TOTAL
MEAN	8.87	11.8	14.0	12.6	12.2	15.2	12.5	19.1	3.21	7.07	12.5	15.6	MEAN
MAX	12.2	21.5	18.8	17.8	21.6	27.5	31.1	21.3	12.0	9.58	15.7	19.1	MAX
MIN	3.88	5.65	6.76	8.17	0.545	0.595	0.534	6.22	0.471	5.56	5.71	4.96	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.1
MAXIMUM DAILY, 31.1 ON JUL 15
MINIMUM DAILY, 0.471 ON SEP 26

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 57 N
LONG 115 30 08 W

REGULATED SINCE 1942

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	23 800	JUL	33 500
FEB	28 500	AUG	51 300
MAR	37 500	SEP	8 310
APR	32 500	OCT	18 900
MAY	32 800	NOV	32 500
JUN	39 300	DEC	41 700

TOTAL DISCHARGE, 381 000 dam³

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.20E	36.7	21.7	24.6	7.04	4.24	---	---	1
2	---	---	---	---	5.65E	37.9	19.6	20.7	6.95	4.58	---	---	2
3	---	---	---	---	5.00E	38.3	21.4	18.7	6.59	4.19	---	---	3
4	---	---	---	---	4.65E	31.8	25.6	16.9	6.41	4.03	---	---	4
5	---	---	---	---	4.40E	28.2	24.4	15.5	6.34	3.88	---	---	5
6	---	---	---	---	3.80E	28.9	22.5	14.2	6.16	3.85	---	---	6
7	---	---	---	---	3.50E	26.4	20.0	13.9	5.92	3.79	---	---	7
8	---	---	---	---	3.40E	22.2	16.9	13.4	5.81	3.73	---	---	8
9	---	---	---	---	3.40E	19.5	13.5	12.3	5.80	3.69	---	---	9
10	---	---	---	---	3.20E	17.7	11.8	11.5	5.73	3.58	---	---	10
11	---	---	---	---	3.00E	16.3	11.0	10.9	5.72	3.49	---	---	11
12	---	---	---	---	3.00E	14.9	11.2	10.7	5.66	3.43	---	---	12
13	---	---	---	---	3.15E	15.4	12.1	10.4	5.58	3.35	---	---	13
14	---	---	---	---	3.50E	15.1	24.6	10.1	5.49	3.33	---	---	14
15	---	---	---	---	3.90E	15.5	32.0	9.56	5.42	3.25	---	---	15
16	---	---	---	---	3.75E	16.6	32.0	9.20	5.34	3.19	---	---	16
17	---	---	---	---	3.85E	15.4	27.9	15.2	5.28	3.12	---	---	17
18	---	---	---	---	5.10E	13.5	26.3	12.2	5.31	3.06	---	---	18
19	---	---	---	---	7.00E	12.5	23.8	10.5	5.44	3.06A	---	---	19
20	---	---	---	---	10.5 E	11.8	22.4	10.2	5.67	2.85E	---	---	20
21	---	---	---	---	18.5 E	11.9	21.4	9.53	5.45	3.10E	---	---	21
22	---	---	---	---	25.0 E	11.1	20.9	8.66	5.27	4.20E	---	---	22
23	---	---	---	---	30.5 A	10.5	22.2	8.07	5.01	3.90E	---	---	23
24	---	---	---	---	44.5	10.1	22.1	7.69	4.89	2.75E	---	---	24
25	---	---	---	---	46.5	11.1	20.4	7.47	4.86	2.75E	---	---	25
26	---	---	---	---	61.8	15.9	17.9	7.33	4.71	2.90E	---	---	26
27	---	---	---	---	47.3	17.8	17.0	7.27	4.66	2.70E	---	--	27
28	---	---	---	---	34.6	13.8	16.3	7.03	4.55	2.80E	---	---	28
29	---		---	---	29.2	12.9	17.7	6.87	4.40	2.75E	---	---	29
30	---		---	---	32.3	16.6	28.6	7.74	4.30	2.80E	---	---	30
31	---		---		37.7		29.8	7.20		2.80E		---	31
TOTAL	---	---	---	---	498.85	566.3	655.0	355.52	165.76	105.12	---	---	TOTAL
MEAN	---	---	---	---	16.1	18.9	21.1	11.5	5.53	3.39	---	---	MEAN
MAX	---	---	---	---	61.8	38.3	32.0	24.6	7.04	4.58	---	---	MAX
MIN	---	---	---	---	3.00	10.1	11.0	6.87	4.30	2.70	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.8
MAXIMUM DAILY, 61.8 ON MAY 26
MINIMUM DAILY, 2.70E ON OCT 27
MAXIMUM INSTANTANEOUS,
71.4 AT 03:10 MST ON MAY 26

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 15 N
LONG 115 32 00 W
DRAINAGE AREA, 453 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	56 600
FEB	---	AUG	30 700
MAR	---	SEP	14 300
APR	---	OCT	9 090
MAY	43 100	NOV	---
JUN	48 900	DEC	---

TOTAL DISCHARGE, 203 000 dam³

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.40	3.09	33.6	47.4	27.5	6.92	3.40E	2.06	---	---	1
2	---	---	2.30	3.09	42.1	39.9	25.5	6.53	3.38E	2.17	---	---	2
3	---	---	2.16	3.04	33.2	39.4	23.6	6.33	3.33E	2.06	---	---	3
4	---	---	2.14	3.03	27.3	40.7	23.2	6.13	3.27E	2.06	---	---	4
5	---	---	2.16	3.00	24.0	39.5	23.2	5.89	3.22E	2.02	---	---	5
6	---	---	2.12	2.97	21.1	37.2	22.7	5.66	3.16E	1.98	---	---	6
7	---	---	2.10	2.89	18.8	36.0	21.9	5.52	3.11E	1.99	---	---	7
8	---	---	2.04	2.84	18.7	32.3	19.4	5.34	3.05E	1.97	---	---	8
9	---	---	2.08	2.86	17.6	29.0	16.7	5.21	3.00E	1.97	---	---	9
10	---	---	2.07	2.71	17.4	26.8	15.1	5.04	2.94E	1.93	---	---	10
11	---	---	2.09	2.69	17.0	25.0	14.3	4.90	2.89E	2.02	---	---	11
12	---	---	2.09	2.66	16.1	24.1	13.3	4.78	2.83E	1.99	---	---	12
13	---	---	2.08	2.58	15.6	26.9	12.9	4.71	2.75E	1.89	---	---	13
14	---	---	2.13	2.47	16.1	27.6	12.7	4.69	2.69E	1.85	---	---	14
15	---	---	2.19	2.46	28.6	28.6	12.1	4.70	2.64E	1.80	---	---	15
16	---	---	2.30	2.61	33.7	35.7	11.8	4.55	2.59E	1.76	---	---	16
17	---	---	2.54	2.78	29.0	39.9	11.1	4.56	2.54E	1.69	---	---	17
18	---	---	2.48	3.06	29.3	36.0	10.4	4.41	2.49E	1.64	---	---	18
19	---	---	2.64	3.52	37.7	31.7	9.93	4.27	2.44E	1.63	---	---	19
20	---	---	2.65	4.16	46.8	31.7	9.58	4.16	2.39E	1.67	---	---	20
21	---	---	2.91	6.17	58.7	32.8	9.31	4.11	2.34E	1.62	---	---	21
22	---	---	2.66	8.24	91.7	30.5	8.95	3.97	2.29A	1.59	---	---	22
23	---	---	2.70	10.8	91.4	28.4	8.66	3.87	2.24	1.61	---	---	23
24	---	2.58A	2.62	22.3	75.1	26.6	9.17	3.80	2.25	1.62	---	---	24
25	---	2.64	2.62	27.2	74.5	26.0	9.21	3.66	2.22	1.63	---	---	25
26	---	2.77	2.69	23.4	74.7	27.3	8.83	3.69	2.21	1.66	---	---	26
27	---	2.55	2.63	20.7	70.1	30.4	8.43	3.54	2.18	1.68A	---	---	27
28	---	2.46	2.68	20.1	62.1	29.0	8.36	3.48	2.19	1.67E	---	---	28
29	---		2.80	20.3	56.1	26.5	8.01	3.41	2.16	1.66E	---	---	29
30	---		2.97	21.9	52.5	25.9	7.59	3.38A	2.10	1.65E	---	---	30
31	---		3.05		52.1		7.26	3.38E		1.64E		---	31
TOTAL	---	---	75.09	239.58	1 278.7	958.8	430.69	144.59	80.29	56.18	---	---	TOTAL
MEAN	---	---	2.42	7.99	41.2	32.0	13.9	4.66	2.68	1.81	---	---	MEAN
MAX	---	---	3.05	27.2	91.7	47.4	27.5	6.92	3.40	2.17	---	---	MAX
MIN	---	---	2.04	2.46	15.6	24.1	7.26	3.38	2.10	1.59	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.3
MAXIMUM DAILY, 91.7 ON MAY 22
MINIMUM DAILY, 1.59 ON OCT 22
MAXIMUM INSTANTANEOUS,
102 AT 00:35 MST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 55 N
LONG 114 20 20 W
DRAINAGE AREA, 376 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	37 200
FEB	---	AUG	12 500
MAR	6 490	SEP	6 940
APR	20 700	OCT	4 850
MAY	110 000	NOV	---
JUN	82 800	DEC	---

TOTAL DISCHARGE, 281 000 dam³

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.5 B	5.34B	4.63	6.25	61.2	75.7	41.8	10.7	4.38	2.82	2.46	3.00B	1
2	13.1 B	4.99B	4.68	6.15	71.8	65.3	38.0	10.2	4.90	3.01	2.44	3.30B	2
3	12.0 B	4.61B	4.37	6.07	58.8	64.1	35.4	9.81	4.57	3.30	2.44	3.30B	3
4	10.4 B	4.46B	4.14	6.10	49.2	64.9	35.3	9.42	4.38	3.05	2.41	3.30B	4
5	9.50B	4.31B	4.08	6.03	45.3	62.4	34.9	8.99	4.32	2.97	2.38	3.12B	5
6	9.20B	4.16B	4.02	6.04	41.2	59.2	33.9	8.64	4.19	2.92	2.36	2.67B	6
7	9.07B	4.01B	3.83	5.82	37.1	57.6	32.0	8.29	4.02	2.89	2.35	2.75B	7
8	8.58B	3.86B	3.98	5.83	38.6	50.9	28.6	8.04	3.86	2.86	2.34	2.86B	8
9	8.06B	3.71B	3.76	5.86	39.5	45.7	24.4	7.79	3.72	2.84	2.31	2.43B	9
10	7.30B	3.67B	3.86	5.74	38.1	42.0	21.8	7.48	3.63	2.83	2.31	2.79B	10
11	7.04B	3.99B	3.98	5.60	36.4	38.4	20.4	7.21	3.52	2.98	2.28	2.89B	11
12	6.93B	4.31B	3.94	5.74	33.9	36.1	19.2	6.97	3.46	3.07	2.26	2.88B	12
13	6.78B	4.63B	4.02	5.49	32.2	47.5	19.5	6.78	3.40	2.84	2.38	2.90B	13
14	6.36B	4.95B	4.10	5.40	32.9	53.2	18.9	6.69	3.37	2.88	2.42	2.90B	14
15	5.97B	5.28B	4.24	5.64	58.1	54.9	18.1	6.77	3.29	2.89	2.44	2.90B	15
16	5.58B	4.88B	4.50	6.62	71.0	60.4	17.8	6.45	3.21	2.83	2.34	2.88B	16
17	5.21B	5.18B	4.89	7.56	61.7	61.1	17.4	6.33	3.15	2.82	2.42	2.86B	17
18	5.70B	4.99B	4.74	8.40	67.6	54.7	16.4	6.14	3.09	2.78	2.42	2.84B	18
19	6.12B	4.89	4.21	9.74	84.1	48.1	15.9	5.93	3.01	2.74	2.32	2.82B	19
20	5.92B	5.64	4.30	11.4	120 E	47.7	15.5	5.74	3.00	2.77	2.33	2.80B	20
21	5.75B	5.38	4.51	17.7	137 E	48.9	15.1	5.59	3.00	2.68	2.31	2.65B	21
22	5.66B	4.85	5.10	20.0	150 E	44.9	14.4	5.44	3.02	2.66	2.33	2.50B	22
23	5.69B	4.79	4.72	29.2	134 E	42.7	13.8	5.30	2.98	2.65	2.32	2.35B	23
24	6.13B	4.66	4.70	49.2	123	40.9	14.4	5.15	2.95	2.63	2.15	2.18B	24
25	5.93B	4.45	4.79	53.5	121	39.6	15.7	5.02	2.99	2.60	1.71B	2.05B	25
26	5.49B	4.56	4.96	44.7	121	41.5	15.1	5.01	3.05	2.57	2.05B	1.90B	26
27	5.50B	4.49	4.91	38.7	113	46.7	13.8	4.85	2.96	2.61	2.20B	1.70B	27
28	5.19B	4.64	5.01	38.9	99.2	44.5	13.6	4.68	2.98	2.60	2.80B	1.50B	28
29	5.46B		5.43	41.4	90.0	40.0	13.0	4.56	3.05	2.55	2.80B	1.50B	29
30	5.29B		5.94	43.8	84.6	39.2	12.2	4.47	2.90	2.50	2.80B	1.50B	30
31	5.05B		6.12		83.3		11.4	4.43		2.46		1.50B	31
TOTAL	224.46	129.68	140.46	508.58	2 334.8	1 518.8	657.7	208.87	104.35	86.60	70.88	79.52	TOTAL
MEAN	7.24	4.63	4.53	17.0	75.3	50.6	21.2	6.74	3.48	2.79	2.36	2.57	MEAN
MAX	14.5	5.64	6.12	53.5	150	75.7	41.8	10.7	4.90	3.30	2.80	3.30	MAX
MIN	5.05	3.67	3.76	5.40	32.2	36.1	11.4	4.43	2.90	2.46	1.71	1.50	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.6
MAXIMUM DAILY, 150E ON MAY 22
MINIMUM DAILY, 1.50B ON DEC 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 20 N
LONG 114 08 40 W
DRAINAGE AREA, 826 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 400	JUL	56 800
FEB	11 200	AUG	18 000
MAR	12 100	SEP	9 020
APR	43 900	OCT	7 480
MAY	202 000	NOV	6 120
JUN	131 000	DEC	6 870

TOTAL DISCHARGE, 524 000 dam³

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.980B	0.249B	0.285B	0.440B	4.42	18.3	12.8	2.73	1.08	0.686	0.586	0.353B	1
2	0.970B	0.252B	0.286B	0.430B	2.17	17.1	11.4	2.58	1.09	1.02	0.569	0.344B	2
3	0.942B	0.243B	0.270B	0.410B	1.46	15.7	10.6	2.68	1.03	0.852	0.540	0.331B	3
4	0.589B	0.255B	0.271B	0.396B	1.88	13.7	10.0	2.71	0.992	0.705	0.491	0.344B	4
5	0.547B	0.215B	0.275B	0.500B	0.498	12.0	9.24	2.47	0.985	0.647	0.374B	0.355B	5
6	0.512B	0.205B	0.278B	0.313B	0.474	11.4	8.53	2.22	0.934	0.707	0.430B	0.329B	6
7	0.459B	0.209B	0.323B	0.279B	0.423	10.2	7.72	2.78	0.903	0.705	0.420B	0.305B	7
8	0.456B	0.212B	0.312B	0.300B	0.392	8.81	6.71	3.57	0.862	0.702	0.420B	0.321B	8
9	0.358B	0.208B	0.311B	0.309B	0.469	7.80	5.96	2.88	0.837	0.667	0.420B	0.269B	9
10	0.340B	0.210B	0.311B	0.280B	0.539	6.98	5.80	2.63	0.817	0.620	0.416B	0.224B	10
11	0.320B	0.210B	0.350B	0.263B	0.479	6.30	5.37	2.45	0.801	0.682	0.400B	0.210B	11
12	0.300B	0.205B	0.351B	0.252B	0.466	6.27	4.80	2.31	0.783	0.662	0.380B	0.191B	12
13	0.290B	0.208B	0.346B	0.256B	0.538	6.98	5.54	2.92	0.770	0.604	0.355B	0.170B	13
14	0.270B	0.218B	0.340B	0.266B	0.824	8.33	5.10	2.55	0.767	0.697	0.349B	0.160B	14
15	0.260B	0.229B	0.343B	0.381B	2.21	11.4	4.48	2.43	0.764	0.641	0.340B	0.152B	15
16	0.248B	0.237B	0.330B	0.529B	1.79	14.3	4.33	2.27	0.728	0.650	0.338B	0.133B	16
17	0.211B	0.252B	0.320B	0.633B	2.10	13.7	4.20	2.10	0.713	0.637	0.262B	0.136B	17
18	0.195B	0.255B	0.335B	0.727B	4.08	11.6	3.89	1.94	0.696	0.619	0.359B	0.135B	18
19	0.187B	0.272B	0.310B	0.900B	8.23	10.7	3.83	1.81	0.689	0.637	0.350B	0.123B	19
20	0.204B	0.278B	0.290B	1.00 B	12.8	11.1	3.79	1.76	0.692	0.599	0.342B	0.112B	20
21	0.220B	0.300B	0.282B	1.30 B	18.9	11.2	3.60	1.65	0.699	0.470B	0.345B	0.108B	21
22	0.249B	0.290B	0.293B	1.26 B	21.4	10.5	3.31	1.57	0.692	0.610B	0.330B	0.116B	22
23	0.262B	0.272B	0.307B	1.54 B	23.3	10.0	3.60	1.48	0.687	0.607	0.280B	0.123B	23
24	0.278B	0.282B	0.320B	2.52 B	26.1	9.24	3.58	1.43	0.660	0.623	0.235B	0.114B	24
25	0.263B	0.278B	0.310B	2.30 B	30.5	9.04	4.68	1.33	0.679	0.610	0.174B	0.104B	25
26	0.320B	0.270B	0.295B	2.00 B	33.5	9.66	4.13	1.25	0.694	0.695	0.186B	0.107B	26
27	0.230B	0.280B	0.310B	1.70 B	25.2	13.1	3.85	1.27	0.672	0.662	0.209B	0.093B	27
28	0.235B	0.280B	0.330B	1.39	20.5	13.2	3.68	1.18	0.702	0.668	0.265B	0.086B	28
29	0.239B		0.351B	1.49	17.8	12.3	3.47	1.12	0.701	0.620	0.278B	0.111B	29
30	0.236B		0.390B	2.00	17.4	12.0	3.11	1.16	0.663	0.545	0.289B	0.110B	30
31	0.233B		0.450B		17.0		2.89	1.13		0.550		0.110B	31
TOTAL	11.403	6.874	9.875	26.364	297.842	332.91	173.99	64.36	23.782	20.359	10.732	5.879	TOTAL
MEAN	0.368	0.246	0.319	0.879	9.61	11.1	5.61	2.08	0.793	0.657	0.358	0.190	MEAN
MAX	0.980	0.300	0.450	2.52	33.5	18.3	12.8	3.57	1.09	1.02	0.586	0.355	MAX
MIN	0.187	0.205	0.270	0.252	0.392	6.27	2.89	1.12	0.660	0.470	0.174	0.086	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.70
MAXIMUM DAILY, 33.5 ON MAY 26
MINIMUM DAILY, 0.086B ON DEC 28
MAXIMUM INSTANTANEOUS,
48.8 AT 22:00 MST ON MAY 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 17 04 N
LONG 114 35 25 W
DRAINAGE AREA, 166 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	985	JUL	15 000
FEB	594	AUG	5 560
MAR	853	SEP	2 050
APR	2 280	OCT	1 760
MAY	25 700	NOV	927
JUN	28 800	DEC	508

TOTAL DISCHARGE, 85 000 dam³

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 E	0	0.005	0A	0	0	0	0	0	0	---	1
2	---	0 E	0	0.006	0	0	0	0	0	0	0	---	2
3	---	0 E	0	0.004	0	0	0A	0	0	0	0A	---	3
4	---	0 E	0	0.004	0	0	0	0	0	0	---	---	4
5	---	0 E	0	0.007	0	0	0	0	0	0	---	---	5
6	---	0 E	0	0.002	0	0	0	0	0	0	---	---	6
7	---	0 E	0	0.002	0	0	0	0	0	0	---	---	7
8	---	0 E	0	0.005	0	0	0	0	0	0	---	---	8
9	---	0 E	0	0.004	0	0	0	0	0	0	---	---	9
10	---	0 E	0	0.004	0	0	0	0	0	0	---	---	10
11	---	0 E	0	0.004	0	0	0	0	0	0	---	---	11
12	---	0 E	0	0.001	0	0	0	0	0	0	---	---	12
13	---	0 E	0	0	0	0	0	0	0	0	---	---	13
14	---	0 E	0	0	0	0	0	0	0	0	---	---	14
15	---	0.055E	0	0	0	0	0	0	0	0	---	---	15
16	---	0.215E	0	0	0	0.419	0	0	0	0	---	---	16
17	---	0.405E	0	0	0	0.359	0	0	0	0	---	---	17
18	---	0.569A	0	0	0	0.216	0	0	0	0	---	---	18
19	---	0.358	0	0	0	0.129	0	0	0	0	---	---	19
20	---	0.325	0	0	0	0.054	0	0	0	0	---	---	20
21	---	0.276	0	0	0	0.014	0	0	0	0	---	---	21
22	---	0.148	0	0	0	0.004	0	0	0	0	---	---	22
23	---	0.170	0	0	0	0	0	0	0	0	---	---	23
24	---	0.008B	0	0	0	0	0	0	0	0	---	---	24
25	---	0.003B	0	0	0	0	0	0	0	0	---	---	25
26	---	0 A	0	0	0A	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0		---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	2.532	0	0.048	0	1.195	0	0	0	0	---	---	TOTAL
MEAN	---	0.090	0	0.002	0	0.040	0	0	0	0	---	---	MEAN
MAX	---	0.569	0	0.007	0	0.419	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.569A ON FEB 18
MINIMUM DAILY, 0E ON FEB 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 50 N
LONG 110 28 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	219	AUG	0
MAR	0	SEP	0
APR	4.15	OCT	0
MAY	0	NOV	---
JUN	103	DEC	---

CHAIN LAKES RESERVOIR NEAR NANTON - STATION NO. 05AB037

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1296.429A	1297.347	1297.203	1297.139	1297.035	1296.937	---	---	1
2	---	---	---	---	1296.433	1297.364	1297.188	1297.135	1297.032	1296.938	---	---	2
3	---	---	---	---	1296.440	1297.338	1297.179	1297.135	1297.032	1296.934	---	---	3
4	---	---	---	---	1296.447	1297.310	1297.168	1297.137	1297.031	1296.930	---	---	4
5	---	---	---	---	1296.487	1297.281	1297.155	1297.135	1297.029	1296.924	---	---	5
6	---	---	---	---	1296.559	1297.260	1297.146	1297.129	1297.027	1296.919	---	---	6
7	---	---	---	---	1296.634	1297.240	1297.139	1297.125	1297.024	1296.917	---	---	7
8	---	---	---	---	1296.764	1297.227	1297.128	1297.127	1297.023	1296.916	---	---	8
9	---	---	---	---	1296.887	1297.214	1297.121	1297.120	1297.019	1296.910	---	---	9
10	---	---	---	---	1297.005	1297.205	1297.120	1297.116	1297.014	1296.906	---	---	10
11	---	---	---	---	1297.091	1297.192	1297.120	1297.107	1297.010	1296.906	---	---	11
12	---	---	---	---	1297.141	1297.182	1297.118	1297.105	1297.008	1296.910	---	---	12
13	---	---	---	---	1297.165	1297.276	1297.130	1297.095	1297.001	1296.908	---	---	13
14	---	---	---	---	1297.184	1297.517	1297.129	1297.092	1296.996	1296.907	---	---	14
15	---	---	---	---	1297.243	1297.479	1297.125	1297.094	1296.989	1296.906	---	---	15
16	---	---	---	---	1297.315	1297.431	1297.126	1297.092	1296.983	1296.905	---	---	16
17	---	---	---	---	1297.305	1297.389	1297.129	1297.095	1296.981	1296.901	---	---	17
18	---	---	---	---	1297.378	1297.355	1297.125	1297.091	1296.977	1296.900	---	---	18
19	---	---	---	---	1297.492	1297.324	1297.125	1297.086	1296.974	1296.900	---	---	19
20	---	---	---	---	1297.643	1297.296	1297.125	1297.083	1296.971	1296.900	---	---	20
21	---	---	---	---	1297.689	1297.271	1297.134	1297.077	1296.967	1296.896	---	---	21
22	---	---	---	---	1297.724	1297.251	1297.151	1297.071	1296.962	1296.892	---	---	22
23	---	---	---	---	1297.687	1297.237	1297.165	1297.066	1296.955	1296.892	---	---	23
24	---	---	---	---	1297.625	1297.224	1297.168	1297.061	1296.950	1296.892	---	---	24
25	---	---	---	---	1297.586	1297.206	1297.199	1297.059	1296.950	1296.890	---	---	25
26	---	---	---	---	1297.570	1297.201	1297.204	1297.054	1296.950	1296.889	---	---	26
27	---	---	---	---	1297.514	1297.224	1297.188	1297.051	1296.944	1296.888	---	---	27
28	---	---	---	---	1297.454	1297.250	1297.172	1297.047	1296.943	1296.879A	---	---	28
29	---		---	---	1297.394	1297.229	1297.162	1297.047	1296.941	1296.876E	---	---	29
30	---		---	---	1297.350	1297.208	1297.151	1297.043	1296.937	1296.873E	---	---	30
31	---		---		1297.323		1297.142	1297.038		1296.870E		---	31
MEAN	---	---	---	---	1297.160	1297.284	1297.150	1297.092	1296.989	1296.904	---	---	MEAN
MAX	---	---	---	---	1297.724	1297.517	1297.204	1297.139	1297.035	1296.938	---	---	MAX
MIN	---	---	---	---	1296.429	1297.182	1297.118	1297.038	1296.937	1296.870	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 1297.724 ON MAY 22

MAXIMUM INSTANTANEOUS,
1297.728 AT 03:30 MST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 37 N
LONG 114 11 55 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHENAL DES QUATRE FOURCHES AT QUATRE FOURCHES - STATION NO. 07KF001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	208.832	208.655	208.615	208.338	208.061	---	---	1
2	---	---	---	---	---	208.865	208.675	208.632	208.307	208.076	---	---	2
3	---	---	---	---	---	208.860	208.612	208.658	208.326	207.785	---	---	3
4	---	---	---	---	---	208.861	208.364	208.655	208.091	208.062	---	---	4
5	---	---	---	---	---	208.843	208.642	208.640	208.177	208.209	---	---	5
6	---	---	---	---	---	209.052	208.728	208.586	208.174	---	---	---	6
7	---	---	---	---	---	209.118	208.730	208.633	208.441	---	---	---	7
8	---	---	---	---	---	209.015	208.524	208.647	208.329	---	---	---	8
9	---	---	---	---	---	208.956	208.524	208.595	208.384	---	---	---	9
10	---	---	---	---	---	208.943	208.659	208.591	208.151	---	---	---	10
11	---	---	---	---	---	208.930	208.745	208.627	208.335	---	---	---	11
12	---	---	---	---	---	208.907	208.739	208.426	208.256	---	---	---	12
13	---	---	---	---	---	208.836	208.726	208.574	208.342	---	---	---	13
14	---	---	---	---	---	208.811	208.822	208.598	208.372	---	---	---	14
15	---	---	---	---	---	208.788	208.773	208.537	208.385	---	---	---	15
16	---	---	---	---	---	208.812	208.698	208.520	208.270	---	---	---	16
17	---	---	---	---	---	208.761	208.634	208.543	208.310	---	---	---	17
18	---	---	---	---	---	208.759	208.755	208.588	208.430	---	---	---	18
19	---	---	---	---	---	208.799	208.854	208.621	208.515	---	---	---	19
20	---	---	---	---	---	208.779	208.727	208.531	208.307	---	---	---	20
21	---	---	---	---	---	208.708	208.680	208.512	208.224	---	---	---	21
22	---	---	---	---	208.852	208.744	208.656	208.550	208.302	---	---	---	22
23	---	---	---	---	208.751	208.741	208.738	208.510	208.229	---	---	---	23
24	---	---	---	---	208.733	208.783	208.646	208.584	208.194	---	---	---	24
25	---	---	---	---	208.746	208.727	208.667	208.574	208.218	---	---	---	25
26	---	---	---	---	208.762	208.673	208.613	208.534	208.304	---	---	---	26
27	---	---	---	---	208.946	208.700	208.540	208.473	208.347	---	---	---	27
28	---	---	---	---	208.821	208.705	208.617	208.366	208.282	---	---	---	28
29	---		---	---	208.851	208.701	208.680	208.468	208.174	---	---	---	29
30	---		---	---	208.920	208.570	208.642	208.453	208.167	---	---	---	30
31	---		---		208.897		208.658	208.438		---		---	31
MEAN	---	---	---	---	---	208.819	208.668	208.557	208.289	---	---	---	MEAN
MAX	---	---	---	---	---	209.118	208.854	208.658	208.515	---	---	---	MAX
MIN	---	---	---	---	---	208.570	208.364	208.366	208.091	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 50 N
LONG 111 17 20 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.351B	0.105B	0.049B	0.500B	322	34.1	27.8	5.41	1.52	0.802	1.47 B	1.07 B	1
2	0.400B	0.102B	0.042B	0.650B	363	31.5	29.7	5.75	1.51	0.817	1.53 B	1.05 B	2
3	0.433B	0.105B	0.041B	0.850B	472	31.5	31.4	5.82	1.45	0.834	1.76 B	1.02 B	3
4	0.406B	0.107B	0.047B	1.20 B	479	32.3	29.2	5.38	1.40	0.836	1.88 B	0.980B	4
5	0.384B	0.107B	0.054B	1.50 B	432	31.0	25.4	4.82	1.34	0.826	2.00 B	0.960B	5
6	0.362B	0.117B	0.064B	1.55 B	385	28.5	22.4	4.55	1.30	0.788	2.12 B	0.930B	6
7	0.351B	0.116B	0.094B	1.60 B	339	27.2	20.2	4.30	1.24	0.797	2.14 B	0.900B	7
8	0.356B	0.122B	0.158B	1.60 B	297 A	25.5	17.7	4.10	1.16	0.912	2.13 B	0.817B	8
9	0.340B	0.137B	0.263B	1.65 B	267	22.8	16.2	3.90	1.13	1.17	2.13 B	0.780B	9
10	0.373B	0.130B	0.398B	1.70 B	238	20.6	14.1	3.73	1.09	1.39	2.11 B	0.720B	10
11	0.373B	0.155B	0.561B	1.72 B	213	18.5	12.4	3.59	1.04	1.42	2.01 B	0.670B	11
12	0.373B	0.193B	0.775B	1.70 B	190	17.0	11.1	3.49	0.986	1.66	1.98 B	0.620B	12
13	0.406B	0.203B	0.994B	1.60 B	168	15.8	10.3	3.43	0.914	1.67	1.98 B	0.560B	13
14	0.439B	0.250B	1.15 B	1.35 B	149	14.5	9.70	3.41	0.848	1.67	2.00 B	0.462B	14
15	0.444B	0.300B	1.22 B	1.32 B	133	13.5	9.22	3.59	0.843	1.60	1.96 B	0.408B	15
16	0.439B	0.350B	1.11 B	1.24 B	118	12.6	8.77	3.59	0.813	1.57	1.85 B	0.374B	16
17	0.428B	0.380B	0.871B	1.20 B	105	11.5	8.27	3.33	0.806	1.58	1.69 B	0.358B	17
18	0.395B	0.420B	0.635B	1.22 B	94.3	10.7	7.72	3.12	0.769	1.59	1.62 B	0.340B	18
19	0.395B	0.470B	0.488B	1.92 B	85.9	10.4	7.01	2.85	0.733	1.58	1.51 B	0.311B	19
20	0.395B	0.500B	0.355B	6.28 B	78.8	10.1	6.64	2.67	0.760	1.51	1.42 B	0.276B	20
21	0.378B	0.500B	0.275B	23.7 B	72.2	10.2	6.13	2.50	0.768	1.21 B	1.35 B	0.268B	21
22	0.311B	0.470B	0.161B	25.1 B	66.0	10.1	5.82	2.40	0.777	0.971B	1.25 B	0.252B	22
23	0.243B	0.406B	0.172B	25.9 B	60.9	10.5	5.93	2.30	0.821	1.20 B	1.15 B	0.246B	23
24	0.201B	0.327B	0.193B	27.7 B	57.1	10.5	5.64	2.17	0.869	1.08 B	1.05 B	0.250B	24
25	0.183B	0.241B	0.247B	33.8 B	52.9	10.2	5.82	2.05	0.881	0.609B	0.950B	0.252B	25
26	0.166B	0.163B	0.273B	104 B	48.5A	10.8	5.75	1.99	0.879	0.605B	0.850B	0.237B	26
27	0.144B	0.108B	0.294B	196 A	44.2A	12.2	5.10	1.84	0.837	0.939B	0.800B	0.228B	27
28	0.121B	0.075B	0.285B	225	42.5	21.8	4.74	1.74	0.822	1.17 B	0.870B	0.244B	28
29	0.101B		0.296B	232	40.7	27.5	4.66	1.66	0.810	0.798B	1.03 B	0.241B	29
30	0.097b		0.316B	263	38.3	28.1	4.76	1.61	0.801	0.850B	1.08 B	0.250B	30
31	0.100B		0.350B		35.9		5.00	1.54		1.40 B		0.245B	31
TOTAL	9.888	6.659	12.191	1 188.550	5 488.2	571.5	384.58	102.63	29.917	35.854	47.670	16.319	TOTAL
MEAN	0.319	0.238	0.393	39.6	177	19.1	12.4	3.31	0.997	1.16	1.59	0.526	MEAN
MAX	0.444	0.500	1.22	263	479	34.1	31.4	5.82	1.52	1.67	2.14	1.07	MAX
MIN	0.097	0.075	0.041	0.500	35.9	10.1	4.66	1.54	0.733	0.605	0.800	0.228	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.6
MAXIMUM DAILY, 479 ON MAY 4
MINIMUM DAILY, 0.041B ON MAR 3
MAXIMUM INSTANTANEOUS,
497 AT 00:30 MST ON MAY 4

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 35 48 N
LONG 118 20 00 W
DRAINAGE AREA, 10 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	854	JUL	33 200
FEB	575	AUG	8 870
MAR	1 050	SEP	2 580
APR	103 000	OCT	3 100
MAY	474 000	NOV	4 120
JUN	49 400	DEC	1 410

TOTAL DISCHARGE, 682 000 dam³

CHIP LAKE AT OUTLET TO LOBSTICK RIVER - STATION NO. 07BB008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	788.161	788.426	788.536	788.466	788.332	788.252	---	---	1
2	---	---	---	---	788.179	788.490	788.527	788.460	788.295	788.283	788.207	---	2
3	---	---	---	---	788.170	788.518	788.542	788.457	788.283	788.271	---	---	3
4	---	---	---	---	788.164	788.521E	788.502	788.447	788.310	788.164	---	---	4
5	---	---	---	---	788.161	788.527	788.475	788.444	788.304	788.182	---	---	5
6	---	---	---	---	788.149	788.289	788.490	788.441	788.295	788.155	---	---	6
7	---	---	---	---	788.164	788.527	788.502	788.432	788.286	788.161	---	---	7
8	---	---	---	---	788.173	788.627	788.490	788.432	788.283	788.271	---	---	8
9	---	---	---	---	788.118	788.612	788.490	788.429	788.289	788.182	---	---	9
10	---	---	---	---	788.237	788.624	788.426	788.420	788.307	788.167	---	---	10
11	---	---	---	---	788.262	788.624	788.444	788.383	788.277	788.179	---	---	11
12	---	---	---	---	788.240E	788.618	788.451	788.396	788.277	788.164	---	---	12
13	---	---	---	---	788.219E	788.621	788.451	788.371	788.268	788.185	---	---	13
14	---	---	---	---	788.198E	788.606	788.499	788.371	788.259	788.179	---	---	14
15	---	---	---	---	788.179	788.606	788.475	788.374	788.228	788.173	---	---	15
16	---	---	---	---	788.249	788.649	788.432	788.365	788.252	788.301	---	---	16
17	---	---	---	---	788.246	788.618	788.432	788.365	788.252	788.164	---	---	17
18	---	---	---	---	788.249E	788.606	788.444	788.341	788.246	788.252	---	---	18
19	---	---	---	---	788.249E	788.597	788.432	788.365	788.277	788.225E	---	---	19
20	---	---	---	---	788.255E	788.627	788.451E	788.368	788.246	788.198	---	---	20
21	---	---	---	---	788.259E	788.612	788.469	788.347	788.225	788.170	---	---	21
22	---	---	---	---	788.259	788.569	788.472	788.338	788.271	788.195	---	---	22
23	---	---	---	---	788.191	788.579	788.463	788.277	788.252	788.277	---	---	23
24	---	---	---	---	788.191E	788.545	788.457	788.259	788.255	788.185	---	---	24
25	---	---	788.134	---	788.195	788.576	788.438	788.255	788.240	788.182	---	---	25
26	---	---	---	---	788.231E	788.591	788.438	788.255	788.237	788.182	---	---	26
27	---	---	---	---	788.268	788.579	788.447	788.310	788.152	788.185	---	---	27
28	---	---	---	---	788.201	788.542	788.444	788.301	788.164	788.185	---	---	28
29	---		---	---	788.265	788.582	788.451	788.295	788.179	788.182	---	---	29
30	---		---	---	788.310	788.539	788.463	788.304	788.176	788.179	---	---	30
31	---		---		788.399		788.460	788.277		788.182		---	31
MEAN	---	---	---	---	788.219	788.568	788.468	788.366	788.257	788.200	---	---	MEAN
MAX	---	---	---	---	788.399	788.649	788.542	788.466	788.332	788.301	---	---	MAX
MIN	---	---	---	---	788.118	788.289	788.426	788.255	788.152	788.155	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 788.649 ON JUN 16

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 37 11 N
LONG 115 15 10 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.150B	0.700B	2.10	2.57	0.686	0.318	0.087	0.138	---	---	1
2	---	---	0.152B	0.774B	2.19	3.52	0.585	0.356	0.138	0.132	---	---	2
3	---	---	0.153B	0.983B	2.05	3.41	0.586	0.412	0.236	0.121	---	---	3
4	---	---	0.155B	1.00 B	1.98	3.43	0.543	0.377	0.212	0.142	---	---	4
5	---	---	0.165B	0.974B	1.94	3.07	0.452	0.292	0.192	0.134	---	---	5
6	---	---	0.170B	1.04 B	1.97	2.61	0.386	0.236	0.151	0.114	---	---	6
7	---	---	0.176B	1.09 B	1.94	2.68	0.413	0.226	0.091	0.112	---	---	7
8	---	---	0.175B	1.14 B	2.08	2.64	0.520	0.222	0.070	0.139	---	---	8
9	---	---	0.178B	1.11 B	1.98	2.23	0.556	0.217	0.038	0.171	---	---	9
10	---	---	0.186B	1.02 B	1.95	1.92	0.480	0.189	0.026	0.186	---	---	10
11	---	---	0.196B	0.929B	1.88	1.78	0.386	0.131	0.019	0.197	---	---	11
12	---	---	0.208B	0.838B	1.85	1.72	0.319	0.114	0.017	0.199	---	---	12
13	---	---	0.223B	0.797B	1.71	1.76	0.363	0.156	0.015	0.200	---	---	13
14	---	---	0.242B	0.711B	1.56	1.79	0.417	0.132	0.014	0.203	---	---	14
15	---	---	0.271B	0.681B	1.47	1.61	0.438	0.134	0.012	0.214	---	---	15
16	---	---	0.304B	0.793B	1.48	1.52	0.490	0.133	0.010	0.209	---	---	16
17	---	---	0.321B	1.05 B	1.37	1.47	0.462	0.109	0.008	0.191	---	---	17
18	---	---	0.323B	1.12 B	1.30	1.49	0.474	0.113	0.006	0.172	---	---	18
19	---	---	0.323B	1.45 B	1.30	1.60	0.345	0.132	0.005	0.160	---	---	19
20	---	---	0.312B	1.42 B	1.35	1.40	0.323	0.129	0.010	0.132	---	---	20
21	---	---	0.302B	1.54 B	1.52	1.33	0.328	0.120	0.011	0.151	---	---	21
22	---	---	0.293B	1.80	1.49	1.22	0.368	0.115	0.013	0.136	---	---	22
23	---	---	0.298B	2.14	1.48	1.02	0.503	0.110	0.016	0.142	---	---	23
24	---	---	0.307B	2.31	1.59	0.863	0.681	0.084	0.019	0.166	---	---	24
25	---	---	0.320B	2.76	1.63	1.19	0.589	0.060	0.092	0.171	---	---	25
26	---	---	0.324B	3.05	1.35	0.685	0.433	0.035	0.108	0.168	---	---	26
27	---	---	0.331B	2.72	1.36	0.409	0.374	0.023	0.153	0.177A	---	---	27
28	---	---	0.345B	2.53	1.26	0.561	0.326	0.014	0.156	0.177E	---	---	28
29	---		0.366B	2.41	1.02	0.654	0.311	0.024	0.145	0.177E	---	---	29
30	---		0.418B	2.29	1.07	0.673	0.304	0.070	0.145	0.177E	---	---	30
31	---		0.524B		1.23		0.317	0.070		0.177E		---	31
TOTAL	---	---	8.211	43.170	50.45	52.825	13.758	4.853	2.215	5.085	---	---	TOTAL
MEAN	---	---	0.265	1.44	1.63	1.76	0.444	0.157	0.074	0.164	---	---	MEAN
MAX	---	---	0.524	3.05	2.19	3.52	0.686	0.412	0.236	0.214	---	---	MAX
MIN	---	---	0.150	0.681	1.02	0.409	0.304	0.014	0.005	0.112	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.737
MAXIMUM DAILY, 3.52 ON JUN 2
MINIMUM DAILY, 0.005 ON SEP 19
MAXIMUM INSTANTANEOUS,
3.88 AT 23:10 MST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 40 N
LONG 115 19 58 W
DRAINAGE AREA, 425 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 190
FEB	---	AUG	419
MAR	709	SEP	191
APR	3 730	OCT	439
MAY	4 360	NOV	---
JUN	4 560	DEC	---

TOTAL DISCHARGE, 15 600 dam³

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.050B	1.53 B	94.7	6.20E	8.36	0.478	0.106	0.035	---	---	1
2	---	---	0.030B	2.30 B	108	6.40E	6.96	0.449	0.123	0.037	---	---	2
3	---	---	0.010B	2.90 B	90.0	6.70E	5.54	0.454	0.131	0.038	---	---	3
4	---	---	0 B	2.89 B	70.8	6.00E	4.25	0.536	0.134	0.038	---	---	4
5	---	---	0 B	2.36 B	62.4	5.20E	3.36	0.462	0.148	0.041	---	---	5
6	---	---	0 B	2.30 B	60.2	4.60E	2.81	0.415	0.142	0.041	---	---	6
7	---	---	0 B	2.20 B	58.8	4.00E	2.28	0.370	0.136	0.052	---	---	7
8	---	---	0 B	1.90 B	55.4	3.50E	1.86	0.332	0.134	0.089	---	---	8
9	---	---	0 B	1.24 B	50.4	3.20E	1.56	0.288	0.119	0.097	---	---	9
10	---	---	0 B	1.08 B	45.5	3.00E	1.36	0.258	0.115	0.112	---	---	10
11	---	---	0 B	0.832B	40.8	2.70E	1.13	0.224	0.097	0.115	---	---	11
12	---	---	0.005B	0.646B	35.4	2.70E	0.919	0.196	0.085	0.119	---	---	12
13	---	---	0.020B	1.04 B	31.3	2.65E	0.784	0.181	0.077	0.118	---	---	13
14	---	---	0.030B	1.14 B	29.6	2.60E	0.760	0.162	0.075	0.123	---	---	14
15	---	---	0.050B	0.964B	27.7	2.55E	0.689	0.139	0.069	0.130	---	---	15
16	---	---	0.100B	0.969B	24.0	2.40E	0.710	0.125	0.062	0.125	---	---	16
17	---	---	0.200B	1.07 B	21.4	2.35E	0.712	0.116	0.054	0.118	---	---	17
18	---	---	0.100B	1.43 B	19.3	2.80E	0.655	0.108	0.050	0.117	---	---	18
19	---	---	0.050B	2.56 B	17.7	3.80E	0.568	0.095	0.050	0.117	---	---	19
20	---	---	0.020B	14.0 B	16.2	4.80E	0.566	0.078	0.052	0.141	---	---	20
21	---	---	0 B	50.9 B	15.2	6.50E	0.554	0.067	0.048	0.158	---	---	21
22	---	---	0 B	71.0	13.9	8.00E	1.46	0.062	0.045	0.162	---	---	22
23	---	---	0 B	73.3	13.2	11.0 E	2.00	0.055	0.046	0.154	---	---	23
24	---	---	0 B	165	11.9	13.0 E	1.83	0.042	0.047	0.153	---	---	24
25	---	---	0 B	180	10.6	12.0 E	1.43	0.031	0.045	0.169	---	---	25
26	---	---	0.040B	125	9.68	11.5 E	1.14	0.024	0.042	0.179B	---	---	26
27	---	---	0.150B	90.0	9.52	10.5 E	0.880	0.041	0.041	0.180B	---	---	27
28	---	---	0.300B	88.8	8.84	11.1 E	0.775	0.074	0.037	0.182B	---	---	28
29	---		0.600B	82.1	8.01	9.71A	0.686	0.083	0.035	0.182B	---	---	29
30	---		0.900B	76.0	7.56A	8.78	0.571	0.109	0.035	0.184B	---	---	30
31	---		1.10 B		6.80E		0.530	0.113		0.184B		---	31
TOTAL	---	---	3.755	1 047.451	1 074.81	180.24	57.689	6.167	2.380	3.690	---	---	TOTAL
MEAN	---	---	0.121	34.9	34.7	6.01	1.86	0.199	0.079	0.119	---	---	MEAN
MAX	---	---	1.10	180	108	13.0	8.36	0.536	0.148	0.184	---	---	MAX
MIN	---	---	0	0.646	6.80	2.35	0.530	0.024	0.035	0.035	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.70
MAXIMUM DAILY, 180 ON APR 25
MINIMUM DAILY, 0B ON MAR 4
MAXIMUM INSTANTANEOUS,
207 AT 04:00 MST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 18 20 N
LONG 119 40 50 W
DRAINAGE AREA, 2 930 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 980
FEB	---	AUG	533
MAR	324	SEP	206
APR	90 500	OCT	319
MAY	92 900	NOV	---
JUN	15 600	DEC	---

TOTAL DISCHARGE, 205 000 dam³

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	35.5B	43.0B	42.5B	52.0B	119	75.3	65.5	56.2	43.7	40.3	59.0B	32.0B	1
2	36.0B	43.0B	42.5B	53.0B	118	74.0	64.5	55.4	44.0	40.1	58.0B	33.0B	2
3	36.0B	43.0B	42.5B	54.0B	115	72.7	63.0	55.5	43.3	40.1	57.0B	34.0B	3
4	36.5B	43.0B	42.5B	55.0B	112	72.9	61.7	55.1	43.6	40.0	56.0B	34.0B	4
5	37.0B	44.0B	42.5B	57.0B	112	72.7	59.3	55.1	43.1	40.4	54.0B	33.0B	5
6	37.0B	44.0B	42.5B	59.0B	113	72.2	58.2	54.1	42.7	40.5	53.0B	33.0B	6
7	37.5B	44.0B	42.5B	61.0B	112	73.8	58.7	53.5	41.8	40.8	48.0B	34.0B	7
8	37.5B	44.0B	42.5B	63.0B	111	75.0	67.7	52.7	42.0	41.0	44.0B	38.0B	8
9	38.0B	43.0B	42.5B	66.0B	108	79.1	84.6	51.5	42.1	41.9	44.0B	37.0B	9
10	38.0B	43.0B	43.0B	68.0B	106	84.0	88.2	50.5	41.1	42.8	45.0B	37.0B	10
11	38.5B	42.0B	43.0B	70.0B	104	85.7	92.4	49.8	40.5	43.0	45.0B	36.9B	11
12	39.0B	42.0B	43.5B	71.0B	103	85.7	92.7	49.6	40.6	43.3	45.0B	36.0B	12
13	39.5B	41.0B	43.5B	72.0B	102	84.5	90.1	48.0	40.0	43.7	48.0B	36.0B	13
14	40.0B	41.0B	44.0B	72.0B	99.3	83.3	86.7	47.4	39.7	44.3	43.0B	35.0B	14
15	40.0B	40.0B	44.5B	73.0B	97.8	81.5	83.0	47.1	39.7	45.3	42.0B	35.0B	15
16	40.5B	40.0B	44.5B	75.0B	95.1	80.0	80.8	46.5	39.9	46.0	41.0B	34.0B	16
17	41.0B	40.0B	45.0B	79.0B	93.7	77.9	77.7	45.3	39.9	47.0	41.0B	34.0B	17
18	41.0B	40.0B	45.0B	85.0B	92.3	76.2	74.3	45.1	40.0	46.9	41.0B	34.0B	18
19	41.0B	41.3B	45.0B	93.0B	91.7	74.1	71.0	45.2	39.5	47.4	41.0B	34.0B	19
20	41.0B	42.0B	45.0B	103 B	90.7	72.9	68.4	44.5	39.3	47.7	42.0B	35.0B	20
21	41.5B	42.0B	45.0B	110 B	89.9	72.9	65.7	44.9	39.5	46.8	42.0B	35.0B	21
22	41.6B	42.0B	45.0B	114 B	88.9	73.1	64.4	44.5	39.1	45.9B	40.0B	36.0B	22
23	42.0B	42.0B	46.0B	114 B	88.3	73.4	64.4	44.7	39.4	47.4B	37.0B	37.0B	23
24	42.0B	42.5B	46.0B	114 B	86.6	74.1	63.0	44.9	39.5	48.0B	35.0B	38.0B	24
25	42.0B	42.5B	46.8B	115	85.4	74.0	62.0	44.6	39.7	37.1B	33.0B	38.0B	25
26	42.0B	42.5B	48.0B	111	83.8	72.9	61.0	44.9	39.8	27.0B	32.0B	38.0B	26
27	42.0B	42.5B	49.0B	109	82.8	71.7	60.4	44.6	39.9	32.6B	31.0B	38.0B	27
28	43.0B	42.5B	49.0B	111	82.0	69.7	59.5	44.4	39.9	44.6B	31.0B	37.0B	28
29	43.0B		50.0B	113	80.3	68.1	58.6	44.5	40.3	54.0B	31.0B	37.0B	29
30	43.0B		50.5B	117	78.7	66.8	58.4	43.8	40.4	58.0B		37.0B	30
31	43.0B		51.0B		76.3		57.2	43.7		59.0B		37.0B	31
TOTAL	1 235.6	1 181.8	1 394.8	2 509.0	3 018.6	2 270.2	2 163.1	1 497.6	1 224.0	1 362.9	1 290.0	1 102.9	TOTAL
MEAN	39.9	42.2	45.0	83.6	97.4	75.7	69.8	48.3	40.8	44.0	43.0	35.6	MEAN
MAX	43.0	44.0	51.0	117	119	85.7	92.7	56.2	44.0	59.0	59.0	38.0	MAX
MIN	35.5	40.0	42.5	52.0	76.3	66.8	57.2	43.7	39.1	27.0	31.0	32.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 55.5
MAXIMUM DAILY, 119 ON MAY 1
MINIMUM DAILY, 27.0B ON OCT 26
MAXIMUM INSTANTANEOUS,
119 AT 08:55 MST ON MAY 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 39 40 N
LONG 110 55 40 W
DRAINAGE AREA, 17 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	107 000	JUL	187 000
FEB	102 000	AUG	129 000
MAR	121 000	SEP	106 000
APR	217 000	OCT	118 000
MAY	261 000	NOV	111 000
JUN	196 000	DEC	95 300

TOTAL DISCHARGE, 1 750 000 dam³

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	6.01	56.1	28.9	107	24.4	12.7	---	---	1
2	---	---	---	---	7.34	50.4	31.6	91.1	24.8	13.5	---	---	2
3	---	---	---	---	7.04	46.7	30.8	79.4	23.2	13.7	---	---	3
4	---	---	---	---	6.63	40.1	34.7	72.0	22.4	12.7	---	---	4
5	---	---	---	---	6.61	34.8	38.6	64.5	23.1	12.2	---	---	5
6	---	---	---	---	6.69	32.7	40.7	59.0	21.1	11.9	---	---	6
7	---	---	---	---	6.49	31.6	41.0	56.9	20.1	11.7	---	---	7
8	---	---	---	---	7.18	30.9	37.4	59.0	19.2	11.5	---	---	8
9	---	---	---	---	7.75	29.0	30.9	54.7	19.2	11.4	---	---	9
10	---	---	---	---	9.83	29.9	27.2	50.6	20.1	11.7	---	---	10
11	---	---	---	---	13.0	29.0	26.7	47.8	20.3	11.2	---	---	11
12	---	---	---	---	14.7	26.3	27.3	45.0	19.5	10.9	---	---	12
13	---	---	---	---	14.5	26.8	28.2	43.3	19.7	10.9	---	---	13
14	---	---	---	---	17.2	33.6	74.4	42.1	19.1	10.8	---	---	14
15	---	---	---	---	33.3	32.9	137	40.0	18.1	10.4	---	---	15
16	---	---	---	---	24.9	33.6	116	38.4	17.4	10.3	---	---	16
17	---	---	---	---	21.4	32.3	93.9	37.8	17.5	10.1	---	---	17
18	---	---	---	---	26.0	30.3	82.0	36.1	17.9	9.97	---	---	18
19	---	---	---	---	32.7	27.4	75.3	33.8	19.9	10.1	---	---	19
20	---	---	---	---	33.8	25.4	68.8	33.3	23.8	10.0	---	---	20
21	---	---	---	---	49.2	24.1	72.5	33.8	21.3	9.97	---	---	21
22	---	---	---	---	80.3	22.8	85.0	32.1	19.7	9.84	---	---	22
23	---	---	---	---	76.4	21.7	105	29.8	18.9	9.98	---	---	23
24	---	---	---	---	73.6	20.5	125	28.8	17.5	10.3	---	---	24
25	---	---	---	---	76.6	19.8	111	28.3	16.6	10.2	---	---	25
26	---	---	---	---	84.6	21.7	89.2	28.8	16.0	10.3 A	---	---	26
27	---	---	---	---	74.2	26.9	77.3	30.0	15.3	10.2 E	---	---	27
28	---	---	---	5.89	55.6	27.2	72.8	29.0	14.6	10.2 E	---	---	28
29	---		---	5.72	41.4	24.3	77.1	27.1	13.8	10.1 E	---	---	29
30	---		---	5.74	41.0	23.6	130	28.5	13.1	10.1 E	---	---	30
31	---		---		45.7		130	26.0		10.0 E		---	31
TOTAL	---	---	---	---	1 001.67	912.4	2 146.3	1 413.6	577.6	338.86	---	---	TOTAL
MEAN	---	---	---	---	32.3	30.4	69.2	45.6	19.3	10.9	---	---	MEAN
MAX	---	---	---	---	84.6	56.1	137	107	24.8	13.7	---	---	MAX
MIN	---	---	---	---	6.01	19.8	26.7	26.0	13.1	9.84	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 34.7
MAXIMUM DAILY, 137 ON JUL 15
MINIMUM DAILY, 6.01 ON MAY 1
MAXIMUM INSTANTANEOUS,
152 AT 17:10 MST ON JUL 30

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 30 N
LONG 115 26 00 W
DRAINAGE AREA, 1 330 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	185 000
FEB	---	AUG	122 000
MAR	---	SEP	49 900
APR	---	OCT	29 300
MAY	86 500	NOV	---
JUN	78 800	DEC	---

TOTAL DISCHARGE, 552 000 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	44.6B	53.4B	54.1B	71.7B	190E	110	103	91.8	50.5	41.5	68.0B	34.9B	1
2	44.8B	53.7B	53.8B	73.7B	194E	109	100	89.8	50.9	41.2	65.0B	35.2B	2
3	45.2B	53.3B	53.8B	75.5B	196E	107	96.6	88.7	49.8	41.0	64.0B	38.2B	3
4	45.6B	53.3B	53.9B	78.0B	195E	107	92.4	87.7	49.3	40.9	62.0B	37.4B	4
5	45.8B	53.7B	54.1B	81.4B	190E	105	88.1	86.0	49.5	41.0	60.0B	34.4B	5
6	46.1B	53.9B	54.2B	85.5B	186E	105	86.3	83.6	48.1	41.3	59.0B	38.7B	6
7	47.0B	54.1B	54.3B	86.6B	180E	106	86.3	81.5	47.3	40.9	63.1B	42.1B	7
8	47.3B	54.6B	54.3B	87.9B	175E	107	94.4	79.1	46.9	41.5	46.7B	39.4B	8
9	47.1B	53.9B	54.5B	91.0B	173E	110	116	76.7	46.8	43.5	44.7B	39.0B	9
10	47.4B	53.1B	54.6B	95.4B	168E	116	126	74.9	46.5	46.4	51.9B	38.0B	10
11	47.5B	52.9B	54.7B	97.0B	164E	118	141	72.0	45.4	45.3	45.7B	37.0B	11
12	48.3B	52.4B	55.2B	98.0B	162E	116	146	69.0	44.3	45.6	52.1B	37.0B	12
13	48.6B	51.4B	55.4B	98.0B	158E	115	148	66.3	43.7	48.3	55.5B	37.0B	13
14	48.8B	51.9B	56.3B	98.0B	155E	112	147	63.5	43.7	49.3	44.3B	37.0B	14
15	49.2B	51.7B	56.8B	99.0B	152E	109	145	62.4	43.2	50.5	42.6B	36.0B	15
16	49.7B	51.2B	57.5B	103 B	149E	107	144	60.9	43.6	53.1	42.0B	36.0B	16
17	49.7B	50.9B	58.4B	103 B	146E	104	143	59.2	42.8	54.8	43.0B	36.0B	17
18	50.4B	50.4B	58.9B	104 B	143E	101	138	58.7	41.5	54.5	45.1B	37.0B	18
19	51.2B	51.3B	59.4B	107 B	140E	99.2	133	57.7	41.1	54.9	45.5B	37.0B	19
20	51.6B	52.7B	60.4B	112 B	138E	97.5	126	56.0	40.7	55.7	44.5B	38.0B	20
21	51.4B	52.7B	60.4B	119 B	135E	98.8	120	58.2	40.5	55.0	43.9B	40.0B	21
22	51.1B	52.8B	59.2B	130 B	132E	100	118	56.1	41.0	51.4B	43.0B	41.0B	22
23	51.2B	53.2B	58.7B	144 B	129E	101	114	55.1	39.7	48.7B	42.6B	43.0B	23
24	51.7B	53.3B	58.7B	166 B	126E	104	109	55.1	39.3	45.4B	38.3B	44.0B	24
25	52.5B	53.3B	58.7B	180 B	123E	107	106	55.2	40.5	45.9B	37.9B	44.0B	25
26	52.1B	53.9B	59.0B	187 B	120E	109	106	55.3	40.4	55.9B	33.9B	44.0B	26
27	51.9B	54.1B	61.4B	188 E	118E	110	102	54.6	40.8	56.6B	33.9B	44.0B	27
28	52.1B	54.1B	63.1B	188 E	117E	110	100	53.3	41.6	60.0B	32.6B	44.0B	28
29	53.0B		66.4B	186 E	116A	108	97.8	53.0	41.2	64.0B	34.0B	43.0B	29
30	53.1B		67.1B	187 E	114	106	96.1	51.4	41.4	67.0B	35.0B	43.0B	30
31	53.4B		69.1B		112		94.4	50.5		70.0B		42.0B	31
TOTAL	1 529.4	1 481.2	1 796.4	3 520.7	4 696	3 214.5	3 563.4	2 063.3	1 322.0	1 551.1	1 419.8	1 217.3	TOTAL
MEAN	49.3	52.9	57.9	117	151	107	115	66.6	44.1	50.0	47.3	39.3	MEAN
MAX	53.4	54.6	69.1	188	196	118	148	91.8	50.9	70.0	68.0	44.0	MAX
MIN	44.6	50.4	53.8	71.7	112	97.5	86.3	50.5	39.3	40.9	32.6	34.4	MIN

DISCHAPGES IN CUBIC METRES PER SECOND

MEAN, 75.0
MAXIMUM DAILY, 196E ON MAY 3
MINIMUM DAILY, 32.6B ON NOV 28

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 50 N
LONG 111 15 00 W
DRAINAGE AREA, 30 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	132 000	JUL	308 000
FEB	128 000	AUG	178 000
MAR	155 000	SEP	114 000
APR	304 000	OCT	134 000
MAY	406 000	NOV	123 000
JUN	278 000	DEC	105 000

TOTAL DISCHARGE, 2 370 000 dam³

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05DB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.70B	6.00B	5.65B	7.20	6.36	56.2	25.6	174	31.0	17.0	12.7	7.70B	1
2	6.70B	6.00B	5.70B	6.84	6.58	60.8	29.6	133	32.8	16.9	12.6	7.60B	2
3	6.70B	6.00B	5.80B	6.59	7.36	56.0	30.4	104	31.3	17.2	12.5	7.50B	3
4	6.70B	5.85B	5.90B	6.29	7.73	51.3	30.3	92.9	29.7	17.0	12.2	7.40B	4
5	6.70B	5.75B	6.00B	6.32	7.82	44.3	35.1	84.7	30.5	16.6	12.0	7.30B	5
6	6.60B	5.65B	6.10B	6.61	9.68	39.4	39.3	74.8	30.7	16.3	11.8	7.20B	6
7	6.60B	5.55B	6.20B	6.26	12.4	36.7	42.5	67.2	27.8	16.1	11.7	7.10B	7
8	6.60B	5.45B	6.35B	6.09	17.0	35.7	42.2	64.7	26.2	16.0	11.6	7.00B	8
9	6.60B	5.30B	6.45B	6.07	19.7	34.8	36.9	64.0	24.4	15.7	11.4	6.90B	9
10	6.60B	5.25B	6.35B	5.91	20.5	33.6	31.8	58.9	23.7	15.8	11.3	6.80B	10
11	6.60B	5.25B	6.30B	5.81	22.4	35.0	28.9	54.1	23.9	16.0	11.1	6.70B	11
12	6.55B	5.20B	6.30B	5.77	24.3	32.6	28.3	51.5	23.5	15.9	11.1	6.60B	12
13	6.55B	5.20B	6.25B	5.67	24.5	30.3	28.3	49.6	22.8	15.7	11.1	6.50B	13
14	6.55B	5.15B	6.20B	5.74	24.4	33.2	41.2	48.3	22.5	15.6	10.9	6.40B	14
15	6.55B	5.15B	6.20B	5.80	34.1	37.1	117	47.0	21.8	15.4	10.7	6.30B	15
16	6.55B	5.15B	6.15B	6.10	51.1	35.5	144	45.7	21.0	15.4	10.5	6.20B	16
17	6.55B	5.25B	6.15B	6.93	41.7	35.1	121	44.1	20.2	15.4	10.3	6.00B	17
18	6.55B	5.30B	6.15B	6.78	40.0	33.7	97.0	43.6	19.9	15.0	10.0	5.90B	18
19	6.55B	5.35B	6.10B	6.95	43.8	30.7	83.9	42.0	20.8	14.8	9.83	5.70B	19
20	6.55B	5.40B	6.10B	7.22	47.5	28.9	81.9	39.9	25.4	14.9	9.40	5.60B	20
21	6.55B	5.40B	6.10B	7.33	50.3	27.4	76.2	39.9	25.2	14.7	9.36	5.20B	21
22	6.55B	5.45B	6.05B	7.27	73.3	26.1	87.1	39.6	23.5	14.2	9.25	5.00B	22
23	6.55B	5.50B	6.05B	7.16	91.6	25.0	95.9	37.2	22.4	13.4	9.05	4.80B	23
24	6.55B	5.50B	6.04B	7.45	88.4	24.2	133	34.6	21.3	13.7	8.70B	4.60B	24
25	6.55B	5.55B	6.20B	7.54	85.8	23.0	148	33.3	20.3	14.5	8.30B	4.50B	25
26	6.55B	5.55B	6.50B	7.41	85.0	22.4	137	32.6	19.6	14.5	7.90B	4.30B	26
27	6.45B	5.60B	6.83	7.04	88.6	25.1	108	32.5	18.9	14.2	7.58B	4.00B	27
28	6.30B	5.65B	6.95	6.73	74.4	27.8	94.4	32.8	18.2	13.8	7.80B	3.80B	28
29	6.15B		7.18	6.51	58.5	26.9	95.5	32.0	17.8	13.4	7.89B	3.50B	29
30	6.00B		7.32	6.37	47.6	25.0	127	33.0	17.4	13.2	7.80B	3.20B	30
31	6.00B		7.32		48.5		194	32.1		12.9		3.00B	31
TOTAL	202.25	153.40	194.94	197.76	1 260.93	1 033.8	2 411.3	1 763.6	714.5	471.2	308.36	180.30	TOTAL
MEAN	6.52	5.48	6.29	6.59	40.7	34.5	77.8	56.9	23.8	15.2	10.3	5.82	MEAN
MAX	6.70	6.00	7.32	7.54	91.6	60.8	194	174	32.8	17.2	12.7	7.70	MAX
MIN	6.00	5.15	5.65	5.67	6.36	22.4	25.6	32.0	17.4	12.9	7.58	3.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.4
MAXIMUM DAILY, 194 ON JUL 31
MINIMUM DAILY, 3.00B ON DEC 31
MAXIMUM INSTANTANEOUS,
223 AT 15:00 MST ON JUL 31

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 09 N
LONG 114 51 14 W
DRAINAGE AREA, 2 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 500	JUL	208 000
FEB	13 300	AUG	152 000
MAR	16 800	SEP	61 700
APR	17 100	OCT	40 700
MAY	109 000	NOV	26 600
JUN	89 300	DEC	15 600

TOTAL DISCHARGE, 768 000 dam³

COAL CREEK AT BOW CITY - STATION NO. 05BN014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.109	0.129	0.589	0.050	0.144	0.056	---	1
2	---	---	---	---	0	0.086	0.114	0.595	0.094	0.114	0.062A	---	2
3	---	---	---	---	0	0.037	0.198	0.602	0.035	0.210	---	---	3
4	---	---	---	---	0	0.024	0.220	0.607	0.013	0.238	---	---	4
5	---	---	---	---	0.001	0.026	0.223	0.604	0.006	0.254	---	---	5
6	---	---	---	---	0.139	0.069	0.272	0.594	0.004	0.282	---	---	6
7	---	---	---	---	0.175	0.051	0.259	0.338	0.002	0.252	---	---	7
8	---	---	---	---	0.206	0.034	0.255	0.145	0.002	0.207	---	---	8
9	---	---	---	---	0.189	0.022	0.226	0.113	0.076	0.127	---	---	9
10	---	---	---	---	0.184	0.030	0.132	0.095	0.161	0.136	---	---	10
11	---	---	---	---	0.186	0.115	0.212	0.098	0.145	0.171	---	---	11
12	---	---	---	---	0.183	0.172	0.276	0.091	0.144	0.169	---	---	12
13	---	---	---	---	0.105	0.346	0.173	0.053	0.155	0.154	---	---	13
14	---	---	---	---	0.046	0.624	0.175	0.045	0.163	0.160	---	---	14
15	---	---	---	---	0.088	0.750	0.239	0.030	0.182	0.176	---	---	15
16	---	---	---	---	0.434	0.738	0.250	0.032	0.184	0.245	---	---	16
17	---	---	---	---	0.437	0.705	0.211	0.045	0.135	0.223	---	---	17
18	---	---	---	---	0.429	0.673	0.191	0.047	0.116	0.061	---	---	18
19	---	---	---	---	0.389	0.653	0.224	0.035	0.119	0.028	---	---	19
20	---	---	---	---	0.365	0.486	0.206	0.017	0.132	0.020	---	---	20
21	---	---	---	0.006A	0.377	0.688	0.211	0.009	0.130	0.067	---	---	21
22	---	---	---	0.008	0.422	0.708	0.227	0.005	0.117	0.093	---	---	22
23	---	---	---	0.005	0.354	0.589	0.246	0.004	0.142	0.083	---	---	23
24	---	---	---	0.004	0.391	0.299	0.276	0.002	0.131	0.079	---	---	24
25	---	---	---	0.003	0.369	0.213	0.246	0.001	0.110	0.073	---	---	25
26	---	---	---	0.002	0.131	0.170	0.231	0	0.072	0.070	---	---	26
27	---	---	---	0.001	0.073	0.282	0.277	0	0.055	0.100	---	---	27
28	---	---	---	0	0.059	0.407	0.491	0	0.039	0.096	---	---	28
29	---	---	---	0	0.081	0.412	0.658	0.003	0.032	0.082	---	---	29
30	---	---	---	0	0.104	0.281	0.634	0.015	0.085	0.071	---	---	30
31	---	---	---	---	0.102	---	0.608	0.015	---	0.062	---	---	31
TOTAL	---	---	---	---	6.019	9.799	8.290	4.829	2.831	4.247	---	---	TOTAL
MEAN	---	---	---	---	0.194	0.327	0.267	0.156	0.094	0.137	---	---	MEAN
MAX	---	---	---	---	0.437	0.750	0.658	0.607	0.184	0.282	---	---	MAX
MIN	---	---	---	---	0	0.022	0.114	0	0.002	0.020	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.196
MAXIMUM DAILY, 0.750 ON JUN 15
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 112 13 40 W
DRAINAGE AREA, 86.8 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	716
FEB	---	AUG	417
MAR	---	SEP	245
APR	---	OCT	367
MAY	520	NOV	---
JUN	847	DEC	---

TOTAL DISCHARGE, 3 110 dam³

COAL LAKE RESERVOIR NEAR WETASKIWIN - STATION NO. 05FA016

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	702.865	702.842	702.834	703.066	702.911	702.890	702.841	702.897	702.877	702.790	702.755	702.736	1
2	702.863	702.841	702.838	703.065	702.921	702.889	702.847	702.904	702.873	702.790	702.750	702.733	2
3	702.862	702.842	702.839	703.062	702.917	702.904	702.845	702.921	702.849	702.779	702.744	702.736	3
4	702.862	702.840	702.840	703.056	702.898	702.904	702.845	702.956	702.853	702.778	702.749	702.733	4
5	702.861	702.840	702.844	703.051	702.880	702.889	702.838	702.995	702.849	702.771	702.736	702.733	5
6	702.860	702.840	702.845	703.047	702.894	702.892	702.843	703.022	702.847	702.768	702.742	702.725	6
7	702.861	702.838	702.846	703.039	702.909	702.884	702.858	703.044	702.844	702.772	702.749	702.711	7
8	702.855	702.841	702.848	703.033	702.921	702.881	702.853	703.049	702.846	702.792	702.733	702.715	8
9	702.851	702.839	702.844	703.027	702.919	702.879	702.836	703.049	702.844	702.788	702.736	702.721	9
10	702.850	702.838	702.847	703.022	702.924	702.873	702.824	703.049	702.845	702.781	702.736	702.717	10
11	702.852	702.838	702.863	703.018	702.925	702.871	702.822	703.040	702.833	702.784	702.735	702.719	11
12	702.851	702.838	702.880	703.009	702.925	702.875	702.816	703.040	702.831	702.780	702.731	702.724	12
13	702.850	702.838	702.897	702.997	702.926	702.871	702.811	703.019	702.822	702.784	702.711	702.722	13
14	702.850	702.841	702.916	702.994	702.935	702.869	702.828	703.009	702.815	702.779	702.714	702.721	14
15	702.848	702.821	702.949	702.989	702.938	702.866	702.832	702.999	702.805	702.777	702.714	702.745	15
16	702.848	702.820	702.988	702.986	702.946	702.874	702.829	702.992	702.799	702.793	702.711	702.731	16
17	702.847	702.821	703.021	702.979	702.938	702.863	702.824	702.986	702.799	702.778	702.713	702.734	17
18	702.847	702.817	703.034	702.973	702.923	702.855	702.822	702.971	702.795	702.771	702.709	702.745	18
19	702.849	702.816	703.040	702.952	702.909	702.851	702.821	702.953	702.811	702.767	702.701	702.730	19
20	702.849	702.814	703.046	702.952	702.915	702.852	702.824	702.951	702.808	702.775	702.709	702.730	20
21	702.848	702.812	703.053	702.941	702.901	702.857	702.831	702.939	702.788	702.773	702.729	702.730	21
22	702.848	702.811	703.058	702.954	702.885	702.848	702.838	702.932	702.797	702.760	702.729	702.734	22
23	702.848	702.810	703.050	702.946	702.880	702.847	702.842	702.924	702.791	702.791	702.740	702.735	23
24	702.846	702.812	703.066	702.950	702.873	702.843	702.838	702.915	702.791	702.747	702.741	702.739	24
25	702.848	702.816	703.067	702.934	702.867	702.831	702.827	702.901	702.793	702.739	702.736	702.744	25
26	702.848	702.822	703.068	702.933	702.879	702.839	702.825	702.894	702.793	702.748	702.738	702.746	26
27	702.846	702.827	703.069	702.930	702.875	702.825	702.831	702.893	702.772	702.734	702.733	702.743	27
28	702.845	702.833	703.070	702.932	702.898	702.820	702.836	702.889	702.783	702.728	702.732	702.734	28
29	702.843		703.071	702.931	702.879	702.822	702.839	702.889	702.788	702.729	702.734	702.726	29
30	702.844		703.070	702.905	702.875	702.822	702.878	702.894	702.783	702.727	702.733	702.730	30
31	702.843		703.066		702.888		702.881	702.871		702.726		702.741	31
MEAN	702.851	702.829	702.960	702.989	702.906	702.863	702.836	702.961	702.817	702.768	702.731	702.731	MEA
MAX	702.865	702.842	703.071	703.066	702.946	702.904	702.881	703.049	702.877	702.793	702.755	702.746	MAX
MIN	702.843	702.810	702.834	702.905	702.867	702.820	702.811	702.871	702.772	702.726	702.701	702.711	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 702.854
MAXIMUM DAILY, 703.071 ON MAR 29
MINIMUM DAILY, 702.701 ON NOV 19
MAXIMUM INSTANTANEOUS,
703.075 AT 07:30 MST ON MAR 29

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 07 N
LONG 113 13 09 W

REGULATED SINCE 1973

COLD LAKE AT COLD LAKE - STATION NO. 06AF002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	534.910A	---	534.940A	---	---	---	---	534.652	534.624	1
2	534.920A	---	---	534.910A	---	---	534.920A	---	---	---	534.644	534.618	2
3	---	---	---	---	---	534.940A	---	534.900A	---	---	534.638	534.616	3
4	---	---	---	---	---	---	534.920A	---	---	---	534.637	534.618	4
5	534.920A	---	---	---	---	534.940A	---	534.900A	---	---	534.635	534.596	5
6	534.920A	---	---	534.910A	---	---	534.920A	---	---	---	534.635	534.613	6
7	534.920A	---	---	---	---	---	---	---	---	---	534.629	534.616	7
8	---	---	---	534.910A	---	534.940A	534.920A	534.900A	---	---	534.631	534.617	8
9	534.920A	---	---	---	---	---	---	---	---	---	534.629	534.603	9
10	---	---	---	534.910A	---	534.940A	534.920A	---	534.790A	---	534.632	534.596	10
11	---	---	---	---	534.930A	---	---	---	534.772A	---	534.638	534.634	11
12	---	---	534.900A	---	534.932A	534.940A	---	534.870A	534.771A	---	534.634	534.631	12
13	534.920A	---	---	534.910A	534.930A	---	534.920A	---	534.774A	---	534.637	534.625	13
14	---	---	---	---	---	---	---	534.850A	534.780A	---	534.627	534.626	14
15	534.920A	---	---	534.910A	534.940A	534.940A	534.920A	534.850A	---	---	534.617	534.620	15
16	534.920A	---	---	---	---	---	---	---	534.770A	---	534.631	534.625	16
17	---	---	---	---	---	534.940A	534.920A	534.840A	---	---	534.634	534.628	17
18	---	534.910A	---	---	534.940A	---	---	---	---	---	534.632	534.624	18
19	534.930A	---	---	---	---	534.940A	---	534.820A	534.760A	---	534.629	534.610	19
20	---	---	---	---	534.940A	---	534.930A	---	---	---	534.627	534.607	20
21	534.930A	---	---	---	---	---	---	534.800A	534.760A	---	534.622	534.599	21
22	---	---	---	---	534.940A	534.940A	534.930A	---	---	---	534.633	534.628	22
23	534.930A	---	---	---	---	---	---	---	---	---	534.639	534.632	23
24	---	---	---	534.938A	---	534.940A	534.930A	---	534.770A	---	534.638	534.630	24
25	---	---	---	---	534.940A	534.916A	---	---	---	---	534.636	534.629	25
26	534.930A	---	---	---	---	534.920A	---	534.790A	534.760A	---	534.629	534.626	26
27	534.916A	---	534.902A	---	534.940A	---	534.930A	534.790A	---	---	534.635	534.624	27
28	---	---	---	---	---	---	---	---	534.740A	---	534.631	534.624	28
29	---		---	---	534.940A	534.920A	534.927A	534.790A	534.730A	534.659A	534.633	534.625	29
30	---		---	---	---	---	---	---	534.710A	534.660	534.624	534.630	30
31	---		---		---		534.930A	---		534.660		534.630	31
MEAN	---	---	---	---	---	---	---	---	---	---	534.633	534.620	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	534.652	534.634	MAX
MIN	---	---	---	---	---	---	---	---	---	---	534.617	534.596	MIN

SUMMARY FOR THE YEAR 1981

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 27 50 N
LONG 110 10 00 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

COLUMBINE CREEK NEAR GLENDON - STATION NO. 06AA901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.77 B	0.041	0.044	0.092	0	0.015	0.003	---	---	1
2	---	---	---	2.32 B	0.041	0.053	0.075	0	0.016	0.003	---	---	2
3	---	---	---	2.05 B	0.042	0.057	0.058	0	0.016	0.002	---	---	3
4	---	---	---	1.78 B	0.036	0.062	0.043	0	0.016	0.002	---	---	4
5	---	---	---	1.51 B	0.032	0.060	0.034	0	0.016	0.002	---	---	5
6	---	---	---	1.24 B	0.029	0.050	0.024	0	0.016	0.001	---	---	6
7	---	---	---	0.968B	0.027	0.041	0.017	0	0.015	0.001	---	---	7
8	---	---	---	0.697B	0.030	0.030	0.016	0	0.014	0.002	---	---	8
9	---	---	---	0.600B	0.028	0.018	0.010	0	0.011	0.002	---	---	9
10	---	---	---	0.501B	0.038	0.009	0.004	0	0.007	0.002	---	---	10
11	---	---	---	0.405B	0.017	0.005	0	0	0.005	0.002	---	---	11
12	---	---	---	0.306B	0.026	0.001	0	0	0.004	0.002	---	---	12
13	---	---	---	0.207B	0.028	0	0	0	0.002	0.003	---	---	13
14	---	---	---	0.110B	0.028	0	0	0	0.002	0.004	---	---	14
15	---	---	---	0.159	0.032	0.072	0.004	0	0	0.004	---	---	15
16	---	---	---	0.207	0.028	0.123	0.004	0	0	0.004	---	---	16
17	---	---	---	0.255	0.024	0.122	0.001	0	0	0.003	---	---	17
18	---	---	---	0.304	0.023	0.129	0	0	0	0.003	---	---	18
19	---	---	0.493B	0.157	0.030	0.167	0	0	0	0.002	---	---	19
20	---	---	0.447B	0.089	0.023	0.187	0	0	0	0.002	---	---	20
21	---	---	0.402B	0.056	0.018	0.208	0	0	0	0.001	---	---	21
22	---	---	0.354B	0.062	0.018	0.243	0	0	0	---	---	---	22
23	---	---	0.309B	0.064	0.014	0.229	0	0	0	---	---	---	23
24	---	---	0.263B	0.090	0.012	0.218	0	0	0.001	---	---	---	24
25	---	---	0.411B	0.086	0.009	0.209	0	0	0.005	---	---	---	25
26	---	---	0.558B	0.073	0.007	0.198	0	0	0.006	---	---	---	26
27	---	---	1.40 B	0.055	0.018	0.177	0	0	0.004	---	---	---	27
28	---	---	2.23 B	0.050	0.031	0.157	0	0	0.004	---	---	---	28
29	---		3.06 B	0.047	0.035	0.134	0	0	0.004	---	---	---	29
30	---		3.91 B	0.045	0.037	0.110	0	0.005	0.003	---	---	---	30
31	---		3.34 B		0.041		0	0.012		---		---	31
TOTAL	---	---	---	17.263	0.843	3.113	0.382	0.017	0.182	---	---	---	TOTAL
MEAN	---	---	---	0.575	0.027	0.104	0.012	0.001	0.006	---	---	---	MEAN
MAX	---	---	---	2.77	0.042	0.243	0.092	0.012	0.016	---	---	---	MAX
MIN	---	---	---	0.045	0.007	0	0	0	0	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3.91B ON MAR 30
MINIMUM DAILY, 0 ON JUN 13
MAXIMUM INSTANTANEOUS,
4.23 ON MAR 30

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 15 N
LONG 111 08 40 W
DRAINAGE AREA, 243 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	33.0
FEB	---	AUG	1.47
MAR	---	SEP	15.7
APR	1 490	OCT	---
MAY	72.8	NOV	---
JUN	269	DEC	---

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020B	2.19	0.256	0.125	0.041	0.080E	0.004	0	---	---	1
2	---	---	0.021B	2.04	0.234	0.109	0.033	0.070E	0.003	0	---	---	2
3	---	---	0.021B	1.92	0.231	0.139	0.026	0.060E	0.003	0	---	---	3
4	---	---	0.021B	1.73	0.213	0.182	0.019	0.050E	0.002	0	---	---	4
5	---	---	0.019B	1.49	0.222	0.155	0.016	0.045E	0.002	0	---	---	5
6	---	---	0.017B	1.23	0.330	0.148	0.012	0.040E	0.001	0	---	---	6
7	---	---	0.016B	1.02	0.239	0.118	0.011	0.037E	0	0	---	---	7
8	---	---	0.014B	0.824	0.250	0.077	0.008	0.035E	0	0.003	---	---	8
9	---	---	0.015B	0.668	0.277	0.051	0.005	0.034E	0	0.005	---	---	9
10	---	---	0.021B	0.584	0.253	0.043	0.003	0.033A	0	0.005	---	---	10
11	---	---	0.024B	0.528	0.206	0.037	0.001	0.027	0	0.005	---	---	11
12	---	---	0.030B	0.370	0.195	0.030	0	0.023	0	0.005	---	---	12
13	---	---	0.040B	0.311	0.149	0.027	0	0.018	0	0.004	---	---	13
14	---	---	0.076B	0.268	0.141	0.026	0	0.015	0	0.004	---	---	14
15	---	---	1.82 B	0.287	0.249	0.034	0	0.014	0	0.004	---	---	15
16	---	---	4.28 B	0.354	0.194	0.055	0 E	0.012	0	0.003	---	---	16
17	---	---	3.43 B	0.439	0.158	0.114	0 E	0.010	0	0.003	---	---	17
18	---	---	2.51 B	0.421	0.145	0.106	0 E	0.007	0	0.002	---	---	18
19	---	---	1.91 B	0.398	0.133	0.070	0 E	0.005	0	0.001	---	---	19
20	---	---	1.32 B	0.391	0.114	0.075	0 E	0.005	0	0	---	---	20
21	---	---	1.01 B	0.402	0.102	0.102	0 E	0.005	0	0	---	---	21
22	---	---	0.463B	0.406	0.122	0.074	0 E	0.004	0	0	---	---	22
23	---	---	0.263B	0.392	0.154	0.069	0 E	0.002	0	0	---	---	23
24	---	---	0.310B	0.393	0.172	0.056	0 E	0.001	0	0	---	---	24
25	---	---	0.501B	0.390	0.140	0.037	0 E	0	0	0	---	---	25
26	---	---	1.05 B	0.443	0.158	0.086	0 E	0	0	0	---	---	26
27	---	---	2.28 B	0.420	0.141	0.079	0 E	0	0	0	---	---	27
28	---	---	3.22 B	0.348	0.125	0.045	0 E	0	0	0	---	---	28
29	---		3.38 B	0.312	0.230	0.049	0 E	0	0	0	---	---	29
30	---		2.81 B	0.294	0.141	0.046	0 E	0.004	0	0		---	30
31	---		2.44 B		0.121		0.040E	0.004		0		---	31
TOTAL	---	---	33.352	21.263	5.795	2.364	0.215	0.640	0.015	0.044	---	---	TOTAL
MEAN	---	---	1.08	0.709	0.187	0.079	0.007	0.021	0.001	0.001	---	---	MEAN
MAX	---	---	4.28	2.19	0.330	0.182	0.041	0.080	0.004	0.005	---	---	MAX
MIN	---	---	0.014	0.268	0.102	0.026	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.260
MAXIMUM DAILY, 4.28B ON MAR 16
MINIMUM DAILY, 0 ON JUL 12
MAXIMUM INSTANTANEOUS,
4.52 AT 16:00 MST ON MAR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 23 N
LONG 114 56 39 W
DRAINAGE AREA, 166 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18.6
FEB	---	AUG	55.3
MAR	2 880	SEP	1.30
APR	1 840	OCT	3.80
MAY	501	NOV	---
JUN	204	DEC	---

TOTAL DISCHARGE, 5 500 dam³

COOKING LAKE AT COOKING LAKE - STATION NO. 05EB012

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.668	1.578	1.498	1.548	1.428	1.388	---	---	1
2	---	---	---	---	1.728	1.578	1.498	1.548	1.428	1.378	---	---	2
3	---	---	---	---	1.668	1.588	1.498	1.528	1.428	1.378	---	---	3
4	---	---	---	---	1.668	1.568	1.498	1.528	1.438	1.378	1.338	---	4
5	---	---	1.587	---	1.668	1.568	1.498	1.528	1.438	1.378	---	---	5
6	---	---	---	---	1.658	1.578	1.498	1.528	1.408	1.378	---	---	6
7	---	---	---	---	1.658	1.558	1.498E	1.528	1.418	1.378	---	---	7
8	---	---	---	---	1.658	1.568	1.508	1.528	1.418	1.383E	---	---	8
9	---	---	---	1.650	1.658	1.558	1.498	1.528	1.418	1.388	---	---	9
10	---	---	---	---	1.658	1.578	1.498	1.508	1.418	1.388	---	---	10
11	---	---	---	---	1.648	1.588	1.508	1.508	1.408	1.388	---	---	11
12	---	---	---	---	1.633	1.598	1.498	1.508	1.408	1.388	---	---	12
13	---	---	---	---	1.633	1.598	1.498	1.508	1.408	1.388	---	---	13
14	---	---	---	---	1.658	1.598	1.518E	1.498	1.408	1.378	---	---	14
15	---	---	---	---	1.658	1.548	1.538	1.498	1.408	1.378	---	---	15
16	---	---	---	---	1.628	1.518	1.528	1.498	1.398	1.368	---	---	16
17	---	---	---	---	1.618	1.548	1.518	1.488	1.398	1.368	---	---	17
18	---	---	---	---	1.608	1.542	1.518	1.478	1.398	1.368	---	---	18
19	---	---	---	---	1.618	1.548	1.518	1.478	1.398	1.368	---	---	19
20	---	---	---	---	1.618	1.508	1.518	1.468	1.408	1.368	---	---	20
21	---	---	---	---	1.618	1.528	1.518	1.464	1.408	1.378	---	---	21
22	---	---	---	---	1.608	1.548	1.506	1.468	1.408	1.378	---	---	22
23	---	---	---	---	1.608	1.548	1.528	1.468	1.388	1.378	---	---	23
24	---	---	---	---	1.608	1.518	1.528	1.468	1.388	1.368	---	---	24
25	---	---	---	---	1.598	1.518	1.518	1.468	1.388	1.368	---	---	25
26	---	---	---	---	1.588	1.528	1.518	1.458	1.388	1.358	---	---	26
27	---	---	---	---	1.588	1.518	1.518	1.448	1.388	1.358	---	---	27
28	---	---	---	---	1.573	1.508	1.518	1.438	1.388	1.358	---	---	28
29	---		---	---	1.588	1.508	1.528E	1.448	1.388	1.358	---	---	29
30	---		---	1.657	1.608	1.468	1.538E	1.448	1.385	1.358		---	30
31	---		---		1.608		1.538	1.448		1.358			31
MEAN	---	---	---	---	1.632	1.550	1.513	1.492	1.407	1.374	---	---	MEA
MAX	---	---	---	---	1.728	1.598	1.538	1.548	1.438	1.388	---	---	MAX
MIN	---	---	---	---	1.573	1.468	1.498	1.438	1.385	1.358	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 24 59 N
LONG 113 07 15 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

CRESSDAY RESERVOIR NEAR CRESSDAY - STATION NO. 11AB097

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	963.369	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	963.387E	963.354E	963.231E	963.600E	963.474E	963.292E	963.089E	962.977E	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	963.395	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	963.396E	963.323E	963.356E	963.564E	963.420E	963.225E	963.038E	962.956E	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	963.526	---	---	---	---	---	---	24
25	---	963.355	---	---	---	---	---	---	---	---	---	---	25
26	---	---	963.383	---	---	---	---	963.153	---	---	---	---	26
27	---	963.359	---	963.281E	963.627	963.515E	---	---	962.999E	---	---	---	27
28	---	963.363E	963.381E	---	963.625E	---	963.354E	963.140E	---	962.943	---	---	28
29	---		---	963.268	---	---	963.348	---	---	---	---	---	29
30	---		---	963.261E	---	963.504E	---	---	962.987	---	---	---	30
31	---		963.375E		963.620E		963.335E	963.124E		962.942E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 14 02 N
LONG 110 15 40 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.340B	0.473	0.166	1.24	1.96	1.76	0.921	0.684	0.103	---	1
2	---	---	0.260B	0.631	0.490	1.33	1.98	1.53	1.02	0.688	0.145	---	2
3	---	---	0.210B	0.554	0.741	1.29	1.96	1.30	1.10	0.786	0.141A	---	3
4	---	---	0.190B	0.479	0.659	1.27	2.05	1.20	1.10	0.931	---	---	4
5	---	---	0.160B	0.400	0.783	1.26	2.09	1.13	1.15	0.979	---	---	5
6	---	---	0.140B	0.348	1.35	1.34	2.05	1.20	1.15	0.932	---	---	6
7	---	---	0.130B	0.307	2.13	1.18	2.04	1.14	1.10	0.912	---	---	7
8	---	---	0.120B	0.271	2.94	1.01	1.94	1.01	1.10	0.810	---	---	8
9	---	---	0.120B	0.213	3.82	0.874	1.81	0.992	1.07	0.752	---	---	9
10	---	---	0.120B	0.191	4.34	0.913	1.75	1.04	1.00	0.684	---	---	10
11	---	---	0.123B	0.146	3.76	1.02	1.78	0.973	0.920	0.506	---	---	11
12	---	---	0.132B	0.116	2.85	1.14	1.84	0.878	0.746	0.361	---	---	12
13	---	---	0.142B	0.095	2.26	1.43	1.80	0.739	0.690	0.353	---	---	13
14	---	---	0.154B	0.085	2.10	1.54	1.74	0.688	0.801	0.296	---	---	14
15	---	---	0.168B	0.074	2.07	1.72	1.79	0.736	0.841	0.211	---	---	15
16	---	---	0.182B	0.060	2.08	1.81	1.85	0.790	0.729	0.147	---	---	16
17	---	---	0.240B	0.078	2.12	1.89	1.95	0.708	0.767	0.107	---	---	17
18	---	---	0.230B	0.078	2.06	1.90	2.20	0.741	0.770	0.085	---	---	18
19	---	---	0.310B	0.078	1.82	1.76	2.37	0.836	0.727	0.062	---	---	19
20	---	1.34 B	0.370B	0.059	1.64	1.66	2.58	0.856	0.766	0.046	---	---	20
21	---	1.41 B	0.380B	0.060	1.63	1.57	2.78	0.874	0.776	0.042	---	---	21
22	---	1.39 B	0.310B	0.069	1.69	1.59	2.85	0.883	0.867	0.039	---	---	22
23	---	1.06 B	0.260B	0.076	1.75	1.46	3.16	0.958	0.980	0.021	---	---	23
24	---	0.780B	0.216B	0.068	1.70	1.28	4.35	0.965	0.913	0.024	---	---	24
25	---	0.580B	0.202B	0.058	1.57	1.23	4.62	0.953	0.849	0.040	---	---	25
26	---	0.478B	0.220B	0.073	1.51	1.16	4.04	0.884	0.889	0.052	---	---	26
27	---	0.480B	0.232B	0.073	1.45	1.43	3.25	0.809	0.859	0.054	---	---	27
28	---	0.450B	0.240B	0.072	1.32	1.52	2.64	0.816	0.802	0.056	---	---	28
29	---		0.263B	0.071	1.27	1.58	2.40	0.846	0.744	0.053	---	---	29
30	---		0.340B	0.116	1.31	1.76	2.18	0.828	0.704	0.058	---	---	30
31	---		0.460B		1.26		1.97	0.918		0.070		---	31
TOTAL	---	---	6.964	5.472	56.639	42.157	73.77	29.981	26.851	10.841	---	---	TOTAL
MEAN	---	---	0.225	0.182	1.83	1.41	2.38	0.967	0.895	0.350	---	---	MEAN
MAX	---	---	0.460	0.631	4.34	1.90	4.62	1.76	1.15	0.979	---	---	MAX
MIN	---	---	0.120	0.058	0.166	0.874	1.74	0.688	0.690	0.021	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.03
MAXIMUM DAILY, 4.62 ON JUL 25
MINIMUM DAILY, 0.021 ON OCT 23
MAXIMUM INSTANTANEOUS,
4.84 AT 03:30 MST ON JUL 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 00 N
LONG 112 45 40 W
DRAINAGE AREA, 1 360 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1914

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 6 370	
FEB	---	AUG 2 590	
MAR	602	SEP 2 320	
APR	473	OCT 937	
MAY 4 890		NOV	---
JUN 3 640		DEC	---

TOTAL DISCHARGE, 21 800 dam³

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.90	1.76B	1.73	1.92	12.2	23.9	13.9	5.77	3.00	2.13	1.76	1.22	1
2	2.63	1.66B	1.74	1.90	13.7	20.7	13.2	5.51	2.98	2.52	1.71	1.29	2
3	2.36	1.60B	1.68	1.90	12.4	19.2	12.4	5.45	2.82	2.47	1.68	1.15	3
4	2.03	1.58B	1.63	1.88	11.7	18.7	12.3	5.27	2.77	2.34	1.65	1.24	4
5	2.25	1.56B	1.61	1.87	12.5	17.2	12.3	5.01	2.76	2.25	1.64	1.32	5
6	2.37B	1.54B	1.56	1.91	11.3	16.3	12.3	4.82	2.68	2.23	1.61	1.39	6
7	2.40B	1.52B	1.54	1.94	10.5	15.7	11.7	4.70	2.67	2.09	1.61	1.39	7
8	2.40B	1.52B	1.51	1.93	11.1	14.4	10.6	4.66	2.58	2.07	1.59	1.35	8
9	2.38B	1.52B	1.48	1.97	11.9	13.0	9.49	4.61	2.45	2.09	1.61	1.40	9
10	2.32B	1.53B	1.52	1.93	12.0	11.9	9.19	4.48	2.39	2.09	1.56	1.59	10
11	2.16	1.60B	1.52	1.92	11.5	11.0	8.87	4.31	2.35	2.07	1.56	1.48	11
12	2.18	1.70	1.49	1.97	10.8	10.5	8.62	4.22	2.27	2.10	1.55	1.13	12
13	2.17	1.76	1.57	1.91	10.5	13.3	8.76	4.13	2.26	2.03	1.57	1.17	13
14	1.[illegible]	1.96	1.61	1.91	11.0	14.6	8.69	4.91	2.43	2.00	1.60	1.30	14
15	1.8	1.96	1.64	1.99	19.2	16.3	8.36	4.94	2.31	2.00	1.64	1.45	15
16	1.74	2.09	1.75	2.25	19.7	20.2	8.09	4.41	2.27	1.97	1.58	1.42	16
17	1.70B	2.35	1.88	2.50	17.9	21.2	7.89	4.22	2.23	1.94	1.58	1.34	17
18	1.72B	2.03	1.79	2.79	18.9	19.4	7.77	4.09	2.16	1.98	1.56	1.48	18
19	1.78B	2.26	1.74	3.17	23.2	17.3	7.68	4.07	2.20	1.91	1.54	1.70	19
20	1.84B	2.23	1.67	3.64	28.9	16.1	7.59	3.93	2.19	1.84	1.50	1.76	20
21	1.95B	1.97	1.73B	4.56	32.9	15.3	7.43	3.78	2.14	1.81	1.49	1.82	21
22	2.05B	1.85	1.75	4.66	36.3	14.2	7.37	3.71	2.12	1.84	1.47	1.73	22
23	2.25	1.80	1.75	6.04	37.3	13.8	7.18	3.52	2.14	1.87	1.44	1.70	23
24	2.41	1.71	1.73	8.87	36.9	12.9	7.06	3.36	2.08	1.86	1.30	1.90	24
25	2.35	1.70	1.72	8.07	37.6	12.4	7.31	3.28	2.09	1.78	1.11	1.99	25
26	2.22	1.73	1.82	7.06	41.6	12.8	7.28	3.32	2.15	1.84	1.19	2.00	26
27	2.09	1.77	1.76	6.73	37.6	14.3	6.88	3.45	2.18	1.94	1.27	2.01	27
28	2.01B	1.77	1.85	7.16	33.3	14.2	6.92	3.23	2.34	1.90	1.03	1.94	28
29	1.98B		1.94	7.43	30.0	13.2	6.72	3.14	2.35	1.85	1.18	1.58B	29
30	1.91B		2.00	8.28	27.4	13.1	6.39	3.10	2.21	1.83	1.20	1.48B	30
31	1.82B		1.94		26.0		6.06	2.99		1.85		1.37B	31
TOTAL	66.15	50.03	52.65	112.06	667.8	467.1	276.30	130.39	71.57	62.49	44.78	47.09	TOTAL
MEAN	2.13	1.79	1.70	3.74	21.5	15.6	8.91	4.21	2.39	2.02	1.49	1.52	MEAN
MAX	2.90	2.35	2.00	8.87	41.6	23.9	13.9	5.77	3.00	2.52	1.76	2.01	MAX
MIN	1.70	1.52	1.48	1.87	10.5	10.5	6.06	2.99	2.08	1.78	1.03	1.13	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.61
MAXIMUM DAILY, 41.6 ON MAY 26
MINIMUM DAILY, 1.03 ON NOV 28
MAXIMUM INSTANTANEOUS,
43.1 AT 23:40 MST ON MAY 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 49 N
LONG 114 24 33 W
DRAINAGE AREA, 401 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 720	JUL	23 900
FEB	4 320	AUG	11 300
MAR	4 550	SEP	6 180
APR	9 680	OCT	5 400
MAY	57 700	NOV	3 870
JUN	40 400	DEC	4 070

TOTAL DISCHARGE, 177 000 dam³

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	6.00E	17.5	2.46	20.1	1.49	1.30	---	---	1
2	---	---	---	---	6.50E	14.7	2.30	14.6	1.43	1.44	---	---	2
3	---	---	---	---	7.00E	11.9	2.13	11.5	1.48	1.50	---	---	3
4	---	---	---	---	6.30E	10.1	1.92	9.54	1.61	1.47	---	---	4
5	---	---	---	---	5.71A	8.81	1.79	8.41	1.66	1.39	---	---	5
6	---	---	---	---	7.00E	7.87	1.74	6.99	1.59	1.33	---	---	6
7	---	---	---	---	8.00E	7.05	1.74	5.83	1.42	1.29	---	---	7
8	---	---	---	---	10.0 E	6.33	1.72	4.82	1.30	1.28	---	---	8
9	---	---	---	---	15.0 E	5.70	1.58	4.26	1.22	1.26	---	---	9
10	---	---	---	---	16.5 E	5.66	1.50	3.68	1.12	1.25	---	---	10
11	---	---	---	---	15.0 E	5.83	1.40	3.21	1.07	1.25	---	---	11
12	---	---	---	---	12.0 E	6.93	1.33	3.01	1.04	1.24	---	---	12
13	---	---	---	---	9.69A	9.65	1.45	2.80	0.997	1.23	---	---	13
14	---	---	---	---	9.32	9.77	7.44	2.65	1.01	1.22	---	---	14
15	---	---	---	---	9.89	8.74	6.41	2.46	1.02	1.21	---	---	15
16	---	---	---	---	9.88	7.47	4.31	2.28	1.01	1.21	---	---	16
17	---	---	---	---	9.01	6.70	3.01	2.13	0.993	1.18	---	---	17
18	---	---	---	---	8.46	6.20	2.34	1.99	0.981	1.13	---	---	18
19	---	---	---	---	7.84	6.27	1.99	1.90	0.968	1.11	---	---	19
20	---	---	---	---	7.69	6.43	2.07	1.81	0.973	1.09	---	---	20
21	---	---	---	---	7.80	5.78	3.58	1.73	1.10	1.04	---	---	21
22	---	---	---	---	8.70	4.93	5.93	1.68	1.33	1.02	---	---	22
23	---	---	---	---	9.45	4.58	7.67	1.62	1.54	0.993	---	---	23
24	---	---	---	---	9.21	4.11	9.79	1.55	1.53	1.06	---	---	24
25	---	---	---	---	9.16	3.64	7.54	1.46	1.77	1.26	---	---	25
26	---	---	---	---	14.7	3.38	5.27	1.38	1.90	1.39	---	---	26
27	---	---	---	---	19.0	3.02	3.83	1.70	1.68	1.40 A	---	---	27
28	---	---	---	---	17.7	2.84	3.15	1.98	1.52	1.70 E	---	---	28
29	---		---	---	13.6	2.65	43.1	1.66	1.41	1.65 E	---	---	29
30	---		---	---	11.4	2.52	59.2	1.59	1.35	1.60 E	---	---	30
31	---		---		16.5		32.3	1.57		1.50 E		---	31
TOTAL	---	---	---	---	324.01	207.06	231.99	131.89	39.512	39.993	---	---	TOTAL
MEAN	---	---	---	---	10.5	6.90	7.48	4.25	1.32	1.29	---	---	MEAN
MAX	---	---	---	---	19.0	17.5	59.2	20.1	1.90	1.70	---	---	MAX
MIN	---	---	---	---	5.71	2.52	1.33	1.38	0.968	0.993	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 59.2 ON JUL 30

MAXIMUM INSTANTANEOUS,
89.5 AT 22:30 MST ON JUL 29

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 20 N
LONG 118 56 00 W
DRAINAGE AREA, 842 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	20 000
FEB	---	AUG	11 400
MAR	---	SEP	3 410
APR	---	OCT	3 460
MAY	28 000	NOV	---
JUN	17 900	DEC	---

DAPP CREEK AT HIGHWAY NO. 88 - STATION NO. 07BC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	7.99B	1.80	0.419	0.207	1.09	0.238	0.125E	---	---	1
2	---	---	0.002B	9.15B	1.76	0.396	0.207	1.03	0.228	0.122E	---	---	2
3	---	---	0.002B	9.77B	1.72	0.386	0.197	0.940	0.207	0.122E	---	---	3
4	---	---	0.002B	6.80	1.70	0.364	0.197	0.823	0.179	0.122E	---	---	4
5	---	---	0.002B	6.29	1.58	0.332	0.187	0.685	0.164	0.133	---	---	5
6	---	---	0.002B	6.03	1.58	0.300	0.187	0.708	0.149	0.139E	---	---	6
7	---	---	0.002B	5.82	1.54	0.289	0.258	0.731	0.149	0.159E	---	---	7
8	---	---	0.002B	5.66	1.52	0.279	0.353	0.754	0.133	0.201E	---	---	8
9	---	---	0.003B	5.51	1.52	0.279	0.187	0.777	0.126	0.249E	---	---	9
10	---	---	0.003B	5.61	1.51	0.258	0.164	0.789	0.118	0.289E	---	---	10
11	---	---	0.003B	5.36	1.47	0.238	0.164	0.777	0.100	0.343	---	---	11
12	---	---	0.004B	5.43	1.34	0.238	0.164	0.777	0.095	0.353	---	---	12
13	---	---	0.005B	6.00	1.33	0.207	0.156	0.765	0.090	0.353	---	---	13
14	---	---	0.005B	5.18	1.31	0.228	0.156	0.765	0.085	0.343	---	---	14
15	---	---	0.006B	4.86	1.26	0.228	0.375	0.731	0.085	0.343	---	---	15
16	---	---	0.006B	4.66	1.22	0.321	0.332	0.708	0.172	0.343	---	---	16
17	---	---	0.007B	4.41	1.15	0.353	0.289	0.697	0.197	0.353	---	---	17
18	---	---	0.007B	4.20	1.09	0.386	0.248	0.663	0.201E	0.343	---	---	18
19	---	---	0.008B	4.11	1.03	0.375	0.258	0.640	0.195E	0.353	---	---	19
20	---	---	0.008B	3.84	1.05	0.353	0.258	0.606	0.190E	0.353	---	---	20
21	---	---	0.009B	3.61	1.03	0.310	0.310	0.573	0.184E	0.343	---	---	21
22	---	---	0.010B	3.43	0.940	0.310	1.18	0.551	0.181E	0.343	---	---	22
23	---	---	0.012B	3.26	0.916	0.310	1.51	0.529	0.178E	0.332	---	---	23
24	---	---	0.016B	3.18	0.674	0.279	1.49	0.485	0.170E	0.343	---	---	24
25	---	---	0.076B	3.12	0.584	0.248	1.05	0.386	0.164E	0.343	---	---	25
26	---	---	0.139B	3.06	0.606	0.238	1.06	0.364	0.159E	0.364	---	---	26
27	---	---	0.268B	2.81	0.507	0.238	1.03	0.321	0.150E	0.332	---	---	27
28	---	---	1.52 B	2.55	0.474	0.217	1.00	0.289	0.144E	0.321	---	---	28
29	---		2.71 B	2.03	0.463	0.217	1.05	0.279	0.139E	0.310	---	---	29
30	---		5.33 B	1.93	0.452	0.217	1.09	0.258	0.130E	0.310	---	---	30
31	---		5.74 B		0.430		1.10	0.248		0.300		---	31
TOTAL	---	---	15.911	145.66	35.556	8.813	16.818	19.739	4.700	8.782	---	---	TOTAL
MEAN	---	---	0.513	4.86	1.15	0.294	0.529	0.637	0.157	0.283	---	---	MEAN
MAX	---	---	5.74	9.77	1.80	0.419	1.51	1.09	0.238	0.364	---	---	MAX
MIN	---	---	0.002	1.93	0.430	0.207	0.156	0.248	0.085	0.122	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.04
MAXIMUM DAILY, 9.77B ON APR 3
MINIMUM DAILY, 0.002B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 18 30 N
LONG 113 50 55 W
DRAINAGE AREA, 562 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 420
FEB	---	AUG	1 710
MAR	1 370	SEP	406
APR	12 600	OCT	759
MAY	3 070	NOV	---
JUN	761	DEC	---

TOTAL DISCHARGE, 22 100 dam³

DEER CREEK (MAIN STEM) - STATION NO. 05CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001E	0.003E	0.006	0.103	0.045	0.245	0.011	0.017	---	---	1
2	---	---	0.001E	0.003E	0.005	0.082	0.037	0.200	0.013	0.018	---	---	2
3	---	---	0.001E	0.003E	0.004	0.081	0.033	0.156	0.012	0.018	---	---	3
4	---	---	0.001E	0.003E	0.006	0.072	0.029	0.144	0.013	0.017	---	---	4
5	---	---	0.001E	0.003E	0.006	0.067	0.027	0.125	0.013	0.016	---	---	5
6	---	---	0.001E	0.003E	0.004	0.064	0.026	0.101	0.012	0.017	---	---	6
7	---	---	0.001E	0.003A	0.007	0.060	0.028	0.081	0.012	0.017	---	---	7
8	---	---	0.002E	0.003E	0.029	0.062	0.026	0.067	0.012	0.017	---	---	8
9	---	---	0.002E	0.002E	0.031	0.061	0.023	0.056	0.011	0.016	---	---	9
10	---	---	0.003E	0.002E	0.031	0.059	0.023	0.048	0.011	0.017	---	---	10
11	---	---	0.003E	0.001E	0.027	0.054	0.024	0.042	0.010	0.017	---	---	11
12	---	---	0.002A	0.001E	0.027	0.054	0.020	0.038	0.011	0.016	---	---	12
13	---	---	0.002E	0.002E	0.031	0.068	0.020	0.034	0.012	0.017	---	---	13
14	---	---	0.002E	0.003E	0.048	0.064	0.096	0.031	0.011	0.018	---	---	14
15	---	---	0.001E	0.003E	0.074	0.057	0.071	0.027	0.011	0.018	---	0.001A	15
16	---	0.001A	0.001E	0.004E	0.053	0.051	0.052	0.024	0.012	0.017	---	---	16
17	---	---	0.001E	0.005E	0.075	0.049	0.044	0.022	0.012	0.017	---	---	17
18	---	---	0.001E	0.006E	0.076	0.047	0.039	0.019	0.012	0.016	---	---	18
19	---	---	0.001E	0.007E	0.067	0.043	0.096	0.017	0.019	0.017	---	---	19
20	---	---	0.001E	0.008E	0.060	0.042	0.105	0.015	0.025	0.017	---	---	20
21	---	---	0.001E	0.010E	0.075	0.041	0.130	0.015	0.017	0.017	---	---	21
22	---	---	0.001E	0.011E	0.098	0.041	0.139	0.014	0.017	0.016	---	---	22
23	---	---	0.002E	0.012A	0.108	0.040	0.279	0.014	0.018	0.016	---	---	23
24	---	---	0.002A	0.011	0.111	0.038	0.347	0.012	0.018	0.016	---	---	24
25	---	---	0.003E	0.006	0.112	0.036	0.311	0.012	0.018	0.016	---	---	25
26	0.002A	0.001A	0.004E	0.005	0.104	0.037	0.272	0.011	0.017	0.016	---	---	26
27	---	---	0.004E	0.005	0.097	0.047	0.241	0.011	0.018	0.016	---	---	27
28	---	---	0.004E	0.005	0.093	0.040	0.217	0.010	0.018	0.016	---	---	28
29	---		0.004E	0.005	0.086	0.035	0.257	0.010	0.018	0.016A	---	---	29
30	---		0.004E	0.006	0.080	0.033	0.728	0.013	0.018	0.016E	0.006A	---	30
31	---		0.004E		0.094		0.301	0.011		0.016E		---	31
TOTAL	---	---	0.062	0.144	1.725	1.628	4.086	1.625	0.432	0.517	---	---	TOTAL
MEAN	---	---	0.002	0.005	0.056	0.054	0.132	0.052	0.014	0.017	---	---	MEAN
MAX	---	---	0.004	0.012	0.112	0.103	0.728	0.245	0.025	0.018	---	---	MAX
MIN	---	---	0.001	0.001	0.004	0.033	0.020	0.010	0.010	0.016	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.728 ON JUL 30

MAXIMUM INSTANTANEOUS,
1.59 AT 08:45 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 25 N
LONG 115 08 00 W
DRAINAGE AREA, 5.44 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	353
FEB	---	AUG	140
MAR	5.36	SEP	37.3
APR	12.4	OCT	44.7
MAY	149	NOV	---
JUN	141	DEC	---

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.010B	0.080B	0.320	0.112	0.607	0.071	0.043	0.053	---	1
2	---	---	---	0.013B	0.075B	0.286	0.101	0.493	0.101	0.045	0.053	---	2
3	---	---	---	0.016B	0.070B	0.281	0.094	0.404	0.114	0.043B	0.048B	---	3
4	---	---	---	0.019B	0.065B	0.247	0.093	0.357	0.091	0.041B	0.042B	---	4
5	---	---	---	0.022B	0.060B	0.221	0.093	0.310	0.088	0.042B	---	---	5
6	---	---	---	0.024B	0.068B	0.216	0.095	0.271	0.075	0.040	---	---	6
7	---	---	---	0.026B	0.100B	0.203	0.171	0.236	0.062	0.044	---	---	7
8	---	---	---	0.028B	0.120B	0.190	0.135	0.210	0.059	0.047	---	---	8
9	---	---	---	0.032B	0.211B	0.187	0.106	0.187	0.057	0.046	---	---	9
10	---	---	---	0.037B	0.426B	0.241	0.098	0.171	0.054	0.048	---	---	10
11	---	---	---	0.041B	0.527B	0.276	0.093	0.154	0.052	0.046	---	---	11
12	---	---	---	0.045B	0.432B	0.287	0.088	0.147	0.051	0.045	---	---	12
13	---	---	---	0.050B	0.310B	0.451	0.089	0.135	0.049	0.044	---	---	13
14	---	---	---	0.054B	0.410B	0.406	0.239	0.121	0.047	0.046	---	---	14
15	---	---	---	0.058B	0.790B	0.352	0.332	0.110	0.046	0.044	---	---	15
16	---	---	---	0.066B	0.480	0.313	0.230	0.100	0.046	0.046	---	---	16
17	---	---	---	0.074B	0.379	0.295	0.190	0.096	0.044	0.046	---	---	17
18	---	---	---	0.082B	0.320	0.280	0.168	0.086	0.044	0.045	---	---	18
19	---	---	---	0.090B	0.278	0.257	0.162	0.078	0.053	0.045	---	---	19
20	---	---	---	0.098B	0.271	0.260	0.158	0.072	0.057	0.044	---	---	20
21	---	---	---	0.106B	0.332	0.250	0.301	0.068	0.053	0.043B	---	---	21
22	---	---	---	0.114B	0.441	0.223	0.381	0.064	0.058	0.042B	---	---	22
23	---	---	---	0.121B	0.428	0.207	0.680	0.059	0.058	0.041	---	---	23
24	---	---	---	0.122B	0.356	0.185	0.901	0.060	0.062	0.047	---	---	24
25	---	---	---	0.118B	0.356	0.166	0.733	0.058	0.060	0.050	---	---	25
26	---	---	---	0.100B	0.352	0.149	0.562	0.055	0.056	0.045	---	---	26
27	---	---	---	0.080B	0.313	0.179	0.445	0.054	0.051	0.042	---	---	27
28	---	---	---	0.072B	0.294	0.156	0.405	0.049	0.049	0.043B	---	---	28
29	---		---	0.068B	0.273	0.136	0.524	0.065	0.046	0.044B	---	---	29
30	---		---	0.070B	0.258	0.123	0.995	0.087	0.044	0.045B	---	---	30
31	---		---		0.321		0.691	0.073		0.045		---	31
TOTAL	---	---	---	1.856	9.196	7.343	9.465	5.037	1.798	1.377	---	---	TOTAL
MEAN	---	---	---	0.062	0.297	0.245	0.305	0.162	0.060	0.044	---	---	MEAN
MAX	---	---	---	0.122	0.790	0.451	0.995	0.607	0.114	0.050	---	---	MAX
MIN	---	---	---	0.010	0.060	0.123	0.088	0.049	0.044	0.040	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.169
MAXIMUM DAILY, 0.995 ON JUL 30
MINIMUM DAILY, 0.010B ON APR 1
MAXIMUM INSTANTANEOUS,
1.16 AT 09:05 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 20 N
LONG 117 14 36 W
DRAINAGE AREA, 18.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	818
FEB	---	AUG	435
MAR	---	SEP	155
APR	160	OCT	119
MAY	795	NOV	---
JUN	634	DEC	---

TOTAL DISCHARGE, 3 120 dam³

DOG RIVER NEAR FITZGERALD - STATION NO. 07NB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.010B	0.008B	0.007B	0.008B	3.80E	1.13	0.003	0.692	0.350	0.750	0.518B	0.619B	1
2	0.010B	0.008B	0.007B	0.008B	4.10E	1.06	0.003	0.674	0.391	0.598	0.539B	0.620B	2
3	0.010B	0.008B	0.007B	0.008B	4.20E	0.974	0.198	0.641	0.424	0.513	0.522B	0.620B	3
4	0.010B	0.008B	0.007B	0.008B	4.10E	0.925	0.296	0.615	0.438	0.479	0.539B	0.620B	4
5	0.010B	0.008B	0.007B	0.008B	4.00E	0.895	0.136	0.607	0.450	0.453	0.588B	0.620B	5
6	0.009B	0.008B	0.007B	0.008B	3.90E	0.882	0.056	0.617	0.443	0.454	0.584B	0.619B	6
7	0.009B	0.008B	0.007B	0.008B	3.85E	0.835	0.032	0.632	0.435	0.500	0.582B	0.617B	7
8	0.009B	0.008B	0.007B	0.008B	3.80E	0.742	0.075	0.668	0.429	0.533	0.580B	0.614B	8
9	0.009B	0.008B	0.007B	0.008B	3.75E	0.675	0.221	0.685	0.430	0.530	0.580B	0.610B	9
10	0.009B	0.008B	0.007B	0.008B	3.70E	0.602	0.336	0.622	0.443	0.517	0.582B	0.600B	10
11	0.009B	0.007B	0.007B	0.009B	3.62A	0.528	0.570	0.572	0.451	0.509	0.584B	0.590B	11
12	0.009B	0.007B	0.007B	0.009B	3.34	0.477	0.805	0.563	0.455	0.514	0.586B	0.570B	12
13	0.009B	0.007B	0.007B	0.009B	3.13	0.444	0.877	0.537	0.455	0.515	0.588B	0.540B	13
14	0.009B	0.007B	0.007B	0.009B	2.93	0.383	0.882	0.523	0.471	0.514	0.590B	0.510B	14
15	0.009B	0.007B	0.007B	0.009B	2.71	0.276	0.840	0.522	0.478	0.520	0.592B	0.480B	15
16	0.009B	0.007B	0.007B	0.009B	2.53	0.170	0.755	0.533	0.522	0.515	0.594B	0.460B	16
17	0.009B	0.007B	0.007B	0.009B	2.39	0.094	0.639	0.545	0.537	0.501	0.596B	0.440B	17
18	0.009B	0.007B	0.007B	0.009B	2.25	0.064	0.500	0.530	0.563	0.488	0.598B	0.420B	18
19	0.009B	0.007B	0.007B	0.009B	2.22	0.033	0.408	0.498	0.590	0.477	0.600B	0.410B	19
20	0.009B	0.007B	0.007B	0.010B	2.21	0.015	0.339	0.491	0.596	0.463	0.602B	0.400B	20
21	0.009B	0.007B	0.008B	0.010B	2.22	0.009	0.294	0.484	0.652	0.445B	0.604B	0.390B	21
22	0.009B	0.007B	0.008B	0.011B	2.18	0.007	0.267	0.450	0.661	0.461B	0.606B	0.380B	22
23	0.009B	0.007B	0.008B	0.012B	2.12	0.006	0.241	0.428	0.666	0.498B	0.608B	0.370B	23
24	0.009B	0.007B	0.008B	0.016B	1.93	0.004	0.263	0.422	0.706	0.498B	0.610B	0.360B	24
25	0.009B	0.007B	0.008B	0.020B	1.78	0.003	0.343	0.419	0.723	0.489B	0.612B	0.350B	25
26	0.008B	0.007B	0.008B	0.080B	1.64	0.003	0.436	0.449	0.711	0.485B	0.614B	0.345B	26
27	0.008B	0.007B	0.008B	0.500B	1.54	0.003	0.475	0.464	0.774	0.485B	0.616B	0.340B	27
28	0.008B	0.007B	0.008B	1.50 B	1.46	0.003	0.504	0.443	0.797	0.489B	0.617B	0.335B	28
29	0.008B		0.008B	2.50 B	1.37	0.003	0.581	0.363	0.784	0.493B	0.618B	0.330B	29
30	0.008B		0.008B	3.30 B	1.32	0.003	0.654	0.329	0.762	0.493B	0.619B	0.325B	30
31	0.008B		0.008B		1.23		0.683	0.325		0.514B		0.320B	31
TOTAL	0.278	0.206	0.228	8.120	85.32	11.248	12.712	16.343	16.587	15.693	17.668	14.824	TOTAL
MEAN	0.009	0.007	0.007	0.271	2.75	0.375	0.410	0.527	0.553	0.506	0.589	0.478	MEAN
MAX	0.010	0.008	0.008	3.30	4.20	1.13	0.882	0.692	0.797	0.750	0.619	0.620	MAX
MIN	0.008	0.007	0.007	0.008	1.23	0.003	0.003	0.325	0.350	0.445	0.518	0.320	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.546
MAXIMUM DAILY, 4.20E ON MAY 3
MINIMUM DAILY, 0.003 ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 52 35 N
LONG 111 31 15 W
DRAINAGE AREA, 2 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24.0	JUL	1 100
FEB	17.8	AUG	1 410
MAR	19.7	SEP	1 430
APR	702	OCT	1 360
MAY	7 370	NOV	1 530
JUN	972	DEC	1 280

TOTAL DISCHARGE, 17 200 dam³

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.002	0.082	0.478	0.295	0.109	0.477	0.022E	---	1
2	---	---	---	---	0.002	0.058	0.476	0.940	0.040	0.508	0.022E	---	2
3	---	---	---	---	0.002	0.066	0.380	0.985	0.104	0.582	0.022A	---	3
4	---	---	---	---	0.002	0.091	0.501	0.860	0.080	0.556	---	---	4
5	---	---	---	---	0.004	0.151	0.309	0.680	0.116	0.577	---	---	5
6	---	---	---	---	0.010	0.174	0.449	0.217	0.258	0.385	---	---	6
7	---	---	---	---	0.019	0.118	0.532	0.239	0.241	0.343	---	---	7
8	---	---	---	---	0.022	0.101	0.393	0.460	0.294	0.365	---	---	8
9	---	---	---	---	0.014	0.120	0.486	0.449	0.189	0.369	---	---	9
10	---	---	---	---	0.014	0.249	0.429	0.416	0.085	0.451	---	---	10
11	---	---	---	---	0.009	0.220	0.613	0.466	0.137	0.548	---	---	11
12	---	---	---	---	0.028	0.243	0.588	0.332	0.203	0.730	---	---	12
13	---	---	---	---	0.039	0.477	0.790	0.319	0.366	0.896	---	---	13
14	---	---	---	---	0.028	1.09	0.512	0.188	0.427	0.750	---	---	14
15	---	---	---	---	0.025	0.884	0.803	0.183	0.360	0.551	---	---	15
16	---	---	---	---	0.097	0.363	0.995	0.275	0.216	0.433	---	---	16
17	---	---	---	---	0.212	0.284	1.11	0.352	0.274	0.460	---	---	17
18	---	---	---	---	0.139	0.276	0.703	0.135	0.476	0.434	---	---	18
19	---	---	---	---	0.128	0.419	0.771	0.155	0.548	0.424	---	---	19
20	---	---	---	---	0.100	0.563	0.585	0.271	0.532	0.450	---	---	20
21	---	---	---	---	0.090	0.697	0.745	0.208	0.554	0.116E	---	---	21
22	---	---	---	---	0.081	0.725	0.359	0.193	0.281	0.091E	---	---	22
23	---	---	---	0.003A	0.069	0.388	0.308	0.162	0.272	0.091E	---	---	23
24	---	---	---	0.003	0.139	0.474	0.388	0.186	0.275	0.091E	---	---	24
25	---	---	---	0.002	0.155	0.375	0.904	0.158	0.200	0.091E	---	---	25
26	---	---	---	0.003	0.134	0.372	0.852	0.085A	0.438	0.091E	---	---	26
27	---	---	---	0.003	0.252	0.416	1.05	0.068E	0.397	0.091E	---	---	27
28	---	---	---	0.003	0.132	0.621	0.630	0.085	0.313	0.091E	---	---	28
29	---		---	0.003	0.[illegible]	0.898	0.477	0.109A	0.307	0.091E	---	---	29
30	---		---	0.003	0.070	0.490	0.412	0.101	0.353	0.091E	---	---	30
31	---		---		0.076		0.450	0.130		0.068E		---	31
TOTAL	---	---	---	---	2.158	11.485	18.478	9.702	8.445	11.292	---	---	TOTAL
MEAN	---	---	---	---	0.070	0.383	0.596	0.313	0.282	0.364	---	---	MEAN
MAX	---	---	---	---	0.252	1.09	1.11	0.985	0.554	0.896	---	---	MAX
MIN	---	---	---	---	0.002	0.058	0.308	0.068	0.040	0.068	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.335
MAXIMUM DAILY, 1.11 ON JUL 17
MINIMUM DAILY, 0.002 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 40 N
LONG 111 24 50 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 600
FEB	---	AUG	838
MAR	---	SEP	730
APR	---	OCT	976
MAY	186	NOV	---
JUN	992	DEC	---

TOTAL DISCHARGE, 5 320 dam³

DRAIN S-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.404	0.478	0.178	0.286	0.127	0.060	---	1
2	---	---	---	---	0	0.226	0.356	0.169	0.216	0.362	0.010	---	2
3	---	---	---	---	0	0.241	0.384	0.193	0.218	0.398	0.006A	---	3
4	---	---	---	---	0	0.133	0.254	0.120	0.220	0.396	---	---	4
5	---	---	---	---	0	0.463	0.348	0.097	0.236	0.391	---	---	5
6	---	---	---	---	0	0.394	0.416	0.059	0.219	0.374	---	---	6
7	---	---	---	---	0	0.382	0.317	0.142	0.271	0.331	---	---	7
8	---	---	---	---	0	0.300	0.377	0.247	0.240	0.358	---	---	8
9	---	---	---	---	0	0.304	0.208	0.279	0.150	0.362	---	---	9
10	---	---	---	---	0	0.144	0.019	0.271	0.132	0.309	---	---	10
11	---	---	---	---	0	0.293	0.067	0.329	0.238	0.373	---	---	11
12	---	---	---	---	0	0.256	0.219	0.350	0.288	0.431	---	---	12
13	---	---	---	---	0	0.495	0.254	0.276	0.348	0.463	---	---	13
14	---	---	---	---	0	0.430	0.375	0.353	0.373	0.452	---	---	14
15	---	---	---	---	0.170	0.569	0.587	0.350	0.223	0.398	---	---	15
16	---	---	---	---	0.189	0.399	0.600	0.361	0.264	0.441	---	---	16
17	---	---	---	---	0.090	0.413	0.476	0.266	0.211	0.508	---	---	17
18	---	---	---	---	0.078	0.419	0.444	0.222	0.133	0.531	---	---	18
19	---	---	---	---	0.062	0.262	0.560	0.211	0.164	0.574	---	---	19
20	---	---	---	---	0.041	0.208	0.423	0.198	0.106	0.573	---	---	20
21	---	---	---	---	0.042	0.177	0.289	0.243	0.133	0.604	---	---	21
22	---	---	---	---	0.003	0.231	0.142	0.235	0.051	0.603	---	---	22
23	---	---	---	0A	0.086	0.271	0.235	0.326	0.097	0.604	---	---	23
24	---	---	---	0	0.176	0.168	0.268	0.300	0.126	0.622	---	---	24
25	---	---	---	0	0.167	0.283	0.346	0.251	0.213	0.579	---	---	25
26	---	---	---	0	0.151	0.218	0.342	0.192	0.204	0.567	---	---	26
27	---	---	---	0	0.326	0.237	0.244	0.165	0.231	0.564	---	---	27
28	---	---	---	0	0.283	0.320	0.274	0.210	0.239	0.559	---	---	28
29	---		---	0	0.379	0.285	0.372	0.226	0.187	0.585	---	---	29
30	---		---	0	0.366	0.123	0.441	0.214	0.140	0.583	---	---	30
31	---		---		0.376		0.318	0.232		0.556		---	31
TOTAL	---	---	---	---	2.945	9.048	10.433	7.245	6.157	14.578	---	---	TOTAL
MEAN	---	---	---	---	0.095	0.302	0.337	0.234	0.205	0.470	---	---	MEAN
MAX	---	---	---	---	0.379	0.569	0.600	0.353	0.373	0.622	---	---	MAX
MIN	---	---	---	---	0	0.123	0.019	0.059	0.051	0.127	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.274
MAXIMUM DAILY, 0.622 ON OCT 24
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 17 N
LONG 111 39 50 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	901
FEB	---	AUG	626
MAR	---	SEP	532
APR	---	OCT	1 260
MAY	254	NOV	---
JUN	782	DEC	---

TOTAL DISCHARGE, 4 360 dam³

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.135	0.254	0.303	0.180	0.105	0.228	---	1
2	---	---	---	---	0	0.153	0.328	0.196	0.238	0.102	0.224	---	2
3	---	---	---	---	0	0.162	0.230	0.211	0.227	0.156	0.082A	---	3
4	---	---	---	---	0	0.103	0.257	0.271	0.207	0.205	---	---	4
5	---	---	---	---	0	0.192	0.252	0.220	0.183	0.219	---	---	5
6	---	---	---	---	0.008	0.264	0.358	0.232	0.233	0.196	---	---	6
7	---	---	---	---	0.047	0.131	0.357	0.294	0.256	0.147	---	---	7
8	---	---	---	---	0.065	0.180	0.209	0.301	0.136	0.160	---	---	8
9	---	---	---	---	0.063	0.126	0.157	0.356	0.188	0.127	---	---	9
10	---	---	---	---	0.063	0.166	0.181	0.244	0.179	0.108	---	---	10
11	---	---	---	---	0.045	0.212	0.173	0.158	0.160	0.096	---	---	11
12	---	---	---	---	0.027	0.235	0.195	0.165	0.191	0.121	---	---	12
13	---	---	---	---	0.065	0.328	0.274	0.190	0.203	0.171	---	---	13
14	---	---	---	---	0.044	0.505	0.360	0.210	0.156	0.169	---	---	14
15	---	---	---	---	0.076	0.483	0.380	0.242	0.159	0.177	---	---	15
16	---	---	---	---	0.127	0.267	0.317	0.364	0.171	0.144	---	---	16
17	---	---	---	---	0.128	0.235	0.345	0.364	0.173	0.152	---	---	17
18	---	---	---	---	0.132	0.221	0.266	0.261	0.209	0.124	---	---	18
19	---	---	---	---	0.103	0.156	0.252	0.205	0.172	0.141	---	---	19
20	---	---	---	---	0.110	0.147	0.251	0.224	0.172	0.215	---	---	20
21	---	---	---	---	0.123	0.223	0.227	0.213	0.143	0.205	---	---	21
22	---	---	---	---	0.108	0.336	0.222	0.155	0.114	0.248	---	---	22
23	---	---	---	0.002A	0.093	0.250	0.207	0.163	0.201	0.281	---	---	23
24	---	---	---	0.001	0.088	0.296	0.228	0.099	0.163	0.285	---	---	24
25	---	---	---	0	0.084	0.285	0.283	0.138	0.108	0.297	---	---	25
26	---	---	---	0	0.068	0.186	0.510	0.097	0.119	0.287	---	---	26
27	---	---	---	0	0.077	0.135	0.508	0.085	0.180	0.263	---	---	27
28	---	---	---	0	0.120	0.149	0.326	0.123	0.235	0.273	---	---	28
29	---		---	0	0.141	0.183	0.223	0.153	0.128	0.267	---	---	29
30	---		---	0	0.159	0.144	0.210	0.271	0.101	0.240	---	---	30
31	---		---		0.129		0.239	0.267		0.222		---	31
TOTAL	---	---	---	---	2.289	6.588	8.579	6.775	5.285	5.903	---	---	TOTAL
MEAN	---	---	---	---	0.074	0.220	0.277	0.219	0.176	0.190	---	---	MEAN
MAX	---	---	---	---	0.159	0.505	0.510	0.364	0.256	0.297	---	---	MAX
MIN	---	---	---	---	0	0.103	0.157	0.085	0.101	0.096	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.192
MAXIMUM DAILY, 0.510 ON JUL 26
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 50 N
LONG 112 00 49 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	741
FEB	---	AUG	585
MAR	---	SEP	457
APR	---	OCT	510
MAY	198	NOV	---
JUN	569	DEC	---

TOTAL DISCHARGE, 3 060 dam³

DRAIN T-2 NEAR TABER - STATION NO. 05AG023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.013	0.115	0.456	0.297	0.326	0.168	0.008E	---	1
2	---	---	---	---	0.012	0.100	0.577	0.367	0.350	0.163	0.006E	---	2
3	---	---	---	---	0.011	0.117	0.542	0.402	0.346	0.173	0.004A	---	3
4	---	---	---	---	0.010	0.143A	0.554	0.392	0.309	0.234	---	---	4
5	---	---	---	---	0.016	0.208E	0.478	0.377	0.323	0.280	---	---	5
6	---	---	---	---	0.067	0.299E	0.410	0.333	0.324	0.258	---	---	6
7	---	---	---	---	0.055	0.227E	0.359	0.361	0.319	0.258	---	---	7
8	---	---	---	---	0.091	0.241E	0.388	0.393	0.264	0.222	---	---	8
9	---	---	---	---	0.024	0.288E	0.314	0.397	0.275	0.149	---	---	9
10	---	---	---	---	0.014	0.323E	0.380	0.469	0.257	0.166	---	---	10
11	---	---	---	---	0.010	0.347E	0.361	0.514	0.309	0.176	---	---	11
12	---	---	---	---	0.007	0.433E	0.408	0.459	0.257	0.214	---	---	12
13	---	---	---	---	0.006	0.592E	0.381	0.433	0.283	0.243	---	---	13
14	---	---	---	---	0.006	0.896E	0.389	0.379	0.293	0.218	---	---	14
15	---	---	---	---	0.051	0.992E	0.413	0.339	0.264	0.211	---	---	15
16	---	---	---	---	0.144	0.708E	0.478	0.299	0.285	0.212	---	---	16
17	---	---	---	---	0.033	0.560E	0.514	0.343	0.255	0.211	---	---	17
18	---	---	---	---	0.009	0.487E	0.552	0.363	0.251	0.130	---	---	18
19	---	---	---	---	0.011	0.402E	0.573	0.281	0.241	0.133	---	---	19
20	---	---	---	---	0.006	0.370E	0.507	0.180	0.268	0.172	---	---	20
21	---	---	---	---	0.004	0.407E	0.294	0.227	0.254	0.178	---	---	21
22	---	---	---	0.007A	0.009	0.461E	0.291	0.200	0.198	0.081	---	---	22
23	---	---	---	0.005	2.58	0.457E	0.319	0.215	0.153	0.047	---	---	23
24	---	---	---	0.004	5.19	0.426E	0.399	0.244	0.139	0.039	---	---	24
25	---	---	---	0.007	3.15	0.428A	0.465	0.216	0.120	0.035	---	---	25
26	---	---	---	0.007	1.69	0.402	0.385	0.189	0.124	0.025	---	---	26
27	---	---	---	0.009	1.36	0.409	0.354	0.205	0.128	0.023	---	---	27
28	---	---	---	0.009	0.817	0.478	0.299	0.162	0.139	0.019	---	---	28
29	---		---	0.011	0.110	0.461	0.359	0.233	0.169	0.015E	---	---	29
30	---		---	0.012	0.090	0.393	0.331	0.241	0.171	0.013E	---	---	30
31	---		---		0.098		0.345	0.292		0.010E		---	31
TOTAL	---	---	---	---	15.694	12.170	12.815	9.802	7.394	4.476	---	---	TOTAL
MEAN	---	---	---	---	0.506	0.406	0.413	0.316	0.246	0.144	---	---	MEAN
MAX	---	---	---	---	5.19	0.992	0.573	0.514	0.350	0.280	---	---	MAX
MIN	---	---	---	---	0.004	0.100	0.291	0.162	0.120	0.010	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.339
MAXIMUM DAILY, 5.19 ON MAY 24
MINIMUM DAILY, 0.004 ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 30 N
LONG 112 10 45 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 110
FEB	---	AUG	847
MAR	---	SEP	639
APR	---	OCT	387
MAY	1 360	NOV	---
JUN	1 050	DEC	---

TOTAL DISCHARGE, 5 390 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.030E	1.24	0.156	0.069	0.259	0.001	0.001	0.003	0.002	---	1
2	---	---	0.040E	1.15	0.203	0.053	0.133	0.001	0.001	0.008	0.003	---	2
3	---	---	0.052B	1.16	0.177	0.048	0.068	0.001	0.001	0.013	---	---	3
4	---	---	0.035B	1.34	0.138	0.043	0.048	0.001	0.001	0.005	---	---	4
5	---	---	0.029B	1.50	0.100	0.036	0.042	0.013	0.001	0.003	---	---	5
6	---	---	0.023B	1.35	0.078	0.033	0.032	0.014	0.001	0.004	---	---	6
7	---	---	0.019B	1.33	0.069	0.031	0.036	0.009	0.001	0.006	---	---	7
8	---	---	0.016B	1.10	0.068	0.031	0.039	0.006	0.001	0.011	---	---	8
9	---	---	0.017B	0.945	0.069	0.031	0.040	0.003	0.001	0.006	---	---	9
10	---	---	0.030B	0.845	0.068	0.030	0.040	0.003	0.001	0.005	---	---	10
11	---	---	0.048B	0.922	0.078	0.031	0.038	0.004	0.001	0.005	---	---	11
12	---	---	0.099B	0.799	0.072	0.030	0.037	0.004	0.001	0.005	---	---	12
13	---	---	0.240B	0.554	0.061	0.028	0.058	0.003	0.001	0.010	---	---	13
14	---	---	0.464B	0.430	0.054	0.028	0.071	0.002	0.001	0.009	---	---	14
15	---	---	0.611B	0.390	0.055	0.026	0.066	0.001	0.001	0.009	---	---	15
16	---	---	0.974B	0.307	0.053	0.025	0.121	0.001	0.001	0.009	---	---	16
17	---	---	1.14 B	0.292	0.044	0.026	0.130	0.001	0.001	0.006	---	---	17
18	---	---	1.01 B	0.302	0.040	0.023	0.102	0.001	0.001	0.005	---	---	18
19	---	---	0.888B	0.275	0.038	0.022	0.084	0.001	0.002	0.001	---	---	19
20	---	---	0.861B	0.269	0.034	0.024	0.131	0.001	0.002	0.003	---	---	20
21	---	---	1.00 B	0.256	0.039	0.026	0.090	0.001	0.002	0.014	---	---	21
22	---	---	0.653B	0.267	0.037	0.025	0.048	0.001	0.002	0.004	---	---	22
23	---	---	0.518B	0.239	0.034	0.027	0.052	0.001	0.002	0.009	---	---	23
24	---	---	0.776B	0.250	0.033	0.027	0.050	0.001	0.002	0.005	---	---	24
25	---	---	0.942B	0.251	0.029	0.027	0.033	0.001	0.002	0.002	---	---	25
26	---	---	0.867B	0.274	0.030	0.024	0.015	0.001	0.002	0.004	---	---	26
27	---	---	0.941	0.233	0.027	0.025	0.006	0.001	0.002	0.002	---	---	27
28	---	---	0.891	0.183	0.053	0.025	0.002	0.001	0.045	0.002	---	---	28
29	---		0.963	0.149	0.045	0.025	0.001	0.001	0.004	0.002	---	---	29
30	---		1.05	0.132	0.048	0.052	0.003	0.001	0.003	0.002	---	---	30
31	---		1.22		0.074		0.001	0.001		0.002		---	31
TOTAL	---	---	16.447	18.734	2.104	0.951	1.876	0.082	0.088	0.174	---	---	TOTAL
MEAN	---	---	0.531	0.624	0.068	0.032	0.061	0.003	0.003	0.006	---	---	MEAN
MAX	---	---	1.22	1.50	0.203	0.069	0.259	0.014	0.045	0.014	---	---	MAX
MIN	---	---	0.016	0.132	0.027	0.022	0.001	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.165
MAXIMUM DAILY, 1.50 ON APR 5
MINIMUM DAILY, 0.001 ON JUL 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 53 N
LONG 112 38 20 W
DRAINAGE AREA, 1 150 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	162
FEB	---	AUG	7.08
MAR	1 420	SEP	7.60
APR	1 620	OCT	15.0
MAY	182	NOV	---
JUN	82.2	DEC	---

TOTAL DISCHARGE, 3 500 dam³

DRIEDMEAT LAKE AT OUTFLOW - STATION NO. 05FA020

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	684.881	684.624	684.639	684.562	684.660	684.875	684.606	---	---	1
2	---	---	---	684.881	684.617	684.624	684.540	684.675	684.865	684.618	---	---	2
3	---	---	---	684.881	684.607	684.657	684.542	684.690	684.801	684.608	---	---	3
4	---	---	---	684.873	684.579	684.648	684.542	684.705	684.794	684.608	---	---	4
5	---	---	---	684.874	684.559	684.628	684.526	684.725	684.777	684.592	---	---	5
6	---	---	---	684.899	684.596	684.636	684.538	684.756	684.761	684.600	---	---	6
7	---	---	---	684.855	684.594	684.630	684.557	684.799	684.742	684.613	---	---	7
8	---	---	---	684.836	684.604	684.627	684.553	684.847	684.736	684.640	---	---	8
9	---	---	---	684.839	684.578	684.627	684.541	684.895	684.727	684.632	---	---	9
10	---	---	---	684.822	684.591	684.619	684.536	684.959	684.725	684.621	---	---	10
11	---	---	---	684.820	684.592	684.617	684.528	685.016	684.695	684.624	---	---	11
12	---	---	---	684.826	684.593	684.621	684.522	685.074	684.686	684.627	---	---	12
13	---	---	---	684.780	684.584	684.612	684.530	685.112	684.667	684.628	---	---	13
14	---	---	---	684.766	684.590	684.611	684.539	685.140	684.658	684.617	---	---	14
15	---	---	---	684.766	684.591	684.612	684.546	685.178	684.639	684.610	---	---	15
16	---	---	---	684.776	684.602	684.631	684.541	685.197	684.635	684.630	---	---	16
17	---	---	684.569	684.742	684.584	684.613	684.533	685.205	684.649	684.618	---	---	17
18	---	---	684.596	684.726	684.610	684.592	684.531	685.208	684.640	684.600	---	---	18
19	---	---	684.635	684.661	684.635	684.587	684.538	685.200	684.668	684.625	---	---	19
20	---	---	684.674	684.729	684.639	684.586	684.537	685.202	684.659	684.617	---	---	20
21	---	---	684.702	684.726	684.638	684.595	684.543	685.198	684.616	684.606	---	---	21
22	---	---	684.725	684.695	684.623	684.576	684.554	685.177	684.628	684.591	---	---	22
23	---	---	684.745	684.689	684.610	684.584	684.565	685.148	684.619	684.654	---	---	23
24	---	---	684.768	684.697	684.596	684.585	684.562	685.121	684.619	684.590E	---	---	24
25	---	---	684.774	684.667	684.606	684.557	684.551	685.088	684.622	684.587E	---	---	25
26	---	---	684.804	684.661	684.637	684.579	684.553	685.057	684.615	684.584E	---	---	26
27	---	---	684.816	684.648	684.633	684.568	684.570	685.034	684.585	684.581E	---	---	27
28	---	---	684.829	684.667	684.672	684.558	684.583	685.016	684.605	684.578E	---	---	28
29	---		684.846	684.655	684.636	684.543	684.589	684.985	684.610	684.575E	---	---	29
30	---		684.857	684.596	684.625	684.553	684.628	684.962	684.596	684.572E	---	---	30
31	---		684.864		684.642		684.630	684.894		684.569E		---	31
MEAN	---	---	---	684.764	684.609	684.604	684.552	684.997	684.684	684.607	---	---	MEAN
MAX	---	---	---	684.899	684.672	684.657	684.630	685.208	684.875	684.654	---	---	MAX
MIN	---	---	---	684.596	684.559	684.543	684.522	684.660	684.585	684.569	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 685.208 ON AUG 18

MAXIMUM INSTANTANEOUS,
685.215 AT 18:39 MDT ON AUG 20

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 20 N
LONG 112 42 30 W

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

E - ESTIMATED

REGULATED

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.220B	0.986B	18.1	24.0	2.67	1.90	0.237	0.632	---	---	1
2	---	---	0.220B	1.20 B	19.0	18.1	2.40	1.62 A	0.249	0.593	---	---	2
3	---	---	0.250B	1.67 B	18.8	17.8	2.07	1.41 E	0.274	0.552	---	---	3
4	---	---	0.270B	2.04 B	15.8	18.2	1.82	1.24 E	0.263	0.530	---	---	4
5	---	---	0.295B	2.51 B	13.5	12.8	1.65	1.10 E	0.259	0.515	---	---	5
6	---	---	0.276B	3.74 B	12.4	9.65	1.61	0.960E	0.257	0.494	---	---	6
7	---	---	0.257B	4.34 B	11.4	9.01	1.62	0.830E	0.258	0.474	---	---	7
8	---	---	0.238B	3.41 B	12.5	8.44	1.47	0.706E	0.258	0.494	---	---	8
9	---	---	0.219B	4.28 B	11.4	6.46	1.35	0.594E	0.258	0.537	---	---	9
10	---	---	0.200B	3.90 B	10.4	5.33	1.23	0.533A	0.260	0.626	---	---	10
11	---	---	0.220B	3.38 B	10.2	4.54	1.10	0.493	0.258	0.638	---	---	11
12	---	---	0.270B	2.73 B	9.23	3.92	1.02	0.461	0.256	0.571	---	---	12
13	---	---	0.330B	2.68 B	8.69	4.26	0.984	0.434	0.256	0.531	---	---	13
14	---	---	0.400B	2.95 B	8.02	5.86	0.901	0.413	0.259	0.510	---	---	14
15	---	---	0.470B	2.60 B	7.65	5.38	1.45	0.393	0.263	0.495	---	---	15
16	---	---	0.490B	3.57 B	7.09	5.80	3.24	0.374	0.264	0.499	---	---	16
17	---	---	0.500B	3.99 B	6.53	17.7	2.73	0.352	0.267	0.882	---	---	17
18	---	---	0.509B	4.04 B	6.33	36.7	2.13	0.336	0.273	0.918	---	---	18
19	---	---	0.470B	4.31 B	6.39	22.2	1.71	0.319	0.278	0.750	---	---	19
20	---	---	0.390B	9.26 B	5.55A	16.5	1.43	0.305	0.296	0.680	---	---	20
21	---	---	0.270B	17.4 B	5.56A	12.5	2.11	0.297	0.298	0.608	---	---	21
22	---	---	0.220B	18.2	5.57A	10.1	9.90	0.290	0.612	0.586	---	---	22
23	---	---	0.330B	18.3	6.09E	8.21	27.3	0.282	0.624	0.517	---	---	23
24	---	---	0.430B	22.1	6.84E	7.44	17.6	0.275	0.762	0.474	---	---	24
25	---	---	0.530B	40.0	7.64A	6.54	13.3	0.269	1.05	0.494	---	---	25
26	---	---	0.580B	27.9	7.03	5.17	8.47	0.261	1.06	0.551A	---	---	26
27	---	---	0.530B	19.1	6.04	4.34	6.14	0.252	1.17	0.645E	---	---	27
28	---	---	0.520B	18.7	5.72	3.79	4.34	0.243	0.945	0.739E	---	---	28
29	---		0.590B	17.7	5.34	3.47	3.31	0.238	0.802	0.833E	---	---	29
30	---		0.694B	16.2	5.59	3.01	2.70	0.236	0.700	0.925A	---	---	30
31	---		0.787B		10.2		2.30	0.237		0.840E		---	31
TOTAL	---	---	11.975	283.186	290.60	317.22	132.015	17.653	13.266	19.133	---	---	TOTAL
MEAN	---	---	0.386	9.44	9.37	10.6	4.26	0.569	0.442	0.617	---	---	MEAN
MAX	---	---	0.787	40.0	19.0	36.7	27.3	1.90	1.17	0.925	---	---	MAX
MIN	---	---	0.200	0.986	5.34	3.01	0.901	0.236	0.237	0.474	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.43
MAXIMUM DAILY, 40.0 ON APR 25
MINIMUM DAILY, 0.200B ON MAR 10
MAXIMUM INSTANTANEOUS,
47.6 AT 05:30 MST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 20 48 N
LONG 115 47 39 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11 400
FEB	---	AUG	1 530
MAR	1 030	SEP	1 150
APR	24 500	OCT	1 650
MAY	25 100	NOV	---
JUN	27 400	DEC	---

TOTAL DISCHARGE, 93 800 dam³

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.448B	0.375B	0.388B	0.587B	18.6	6.92	8.54	6.72	0.517	0.076	0.295	0.264B	1
2	0.410B	0.386B	0.368B	0.880B	19.2	6.49	8.03	6.22	0.469	0.081	0.301	0.335B	2
3	0.389B	0.346B	0.348B	1.74 B	20.2	6.14	7.67	5.70	0.373	0.086	0.316	0.170B	3
4	0.380B	0.330B	0.362B	1.74 B	20.2	5.92	7.08	5.03	0.341	0.090	0.342	0.216B	4
5	0.362B	0.285B	0.419B	2.15 B	19.9	5.39	6.70	4.51	0.323	0.094	0.341	0.142B	5
6	0.347B	0.280B	0.480B	2.57 B	18.6	5.71	6.32	4.02	0.281	0.096	0.353	0.059B	6
7	0.416B	0.181B	0.502B	1.98 B	17.0	5.55	6.30	3.50	0.250	0.102	0.383	0.072B	7
8	0.490B	0.123B	0.564B	1.89 B	14.7	6.33	6.16	3.26	0.221	0.148	0.364	0.109B	8
9	0.501B	0.145B	0.649B	2.30 B	13.6	7.02	6.15	2.98	0.184	0.189	0.356	0.130B	9
10	0.491B	0.135B	0.672B	1.89 B	12.8	6.50	6.54	2.68	0.174	0.183	0.368	0.156B	10
11	0.697B	0.171B	0.651B	1.11 B	12.2	6.15	6.17	2.34	0.147	0.248	0.375	0.163B	11
12	0.689B	0.246B	0.532B	0.869B	11.8	5.80	5.96	2.22	0.139	0.270	0.382	0.139B	12
13	0.622B	0.314B	0.523B	1.18 B	11.3	5.56	5.75	1.83	0.127	0.246	0.402	0.118B	13
14	0.580B	0.372B	0.548B	1.11 B	11.4	5.43	5.60	1.79	0.104	0.223	0.383	0.096B	14
15	0.530B	0.466B	0.558B	1.17 B	11.0	5.38	5.42	1.64	0.091	0.205	0.372	0.088B	15
16	0.540B	0.552B	0.563B	1.07 B	10.2	5.46	5.41	1.47	0.082	0.197	0.369	0.080B	16
17	0.521B	0.567B	0.586B	0.869B	9.71	6.23	5.46	1.39	0.074	0.192	0.362	0.073B	17
18	0.469B	0.525B	0.616B	1.14 B	9.38	7.86	5.28	1.29	0.066	0.188	0.357	0.066B	18
19	0.483B	0.477B	0.602B	2.73 B	9.30	8.00	4.99	1.22	0.059	0.193	0.354	0.053B	19
20	0.507B	0.459B	0.406B	3.89 B	10.1	7.36	4.90	1.18	0.087	0.198	0.348	0.044B	20
21	0.494B	0.407B	0.252B	13.4 B	9.94	7.42	4.96	1.15	0.090	0.203	0.347	0.034B	21
22	0.485B	0.407B	0.374B	16.8	9.72	8.28	6.85	1.07	0.089	0.210	0.337	0.025B	22
23	0.493B	0.442B	0.433B	17.7	9.37	11.3	20.7	0.997	0.095	0.215	0.332	0.019B	23
24	0.458B	0.435B	0.435B	18.1	9.11	12.1	19.7	0.962	0.087	0.218	0.322	0.014B	24
25	0.456B	0.416B	0.515B	19.6	8.72	12.3	14.5	0.917	0.083	0.247	0.305	0.007B	25
26	0.561B	0.415B	0.622B	21.4	8.30	11.1	11.1	0.872	0.078	0.265	0.302	0.007B	26
27	0.599B	0.398B	0.630B	19.1	7.72	10.0	9.44	0.793	0.087	0.262	0.295	0.003B	27
28	0.549B	0.391B	0.677B	19.6	7.71	9.63	13.3	0.667	0.081	0.280	0.288	0.003B	28
29	0.495B		0.714B	18.9	7.72	9.25	12.3	0.590	0.076	0.300	0.272	0.002B	29
30	0.459B		0.649B	18.1	7.64	8.73	9.59	0.579	0.078	0.295	0.250B	0.002B	30
31	0.410B		0.494B		7.38		7.85	0.544		0.294		0.002B	31
TOTAL	15.331	10.046	16.132	215.565	374.52	225.31	254.72	70.131	4.953	6.094	10.173	2.691	TOTAL
MEAN	0.495	0.359	0.520	7.19	12.1	7.51	8.22	2.26	0.165	0.197	0.339	0.087	MEAN
MAX	0.697	0.567	0.714	21.4	20.2	12.3	20.7	6.72	0.517	0.300	0.402	0.335	MAX
MIN	0.347	0.123	0.252	0.587	7.38	5.38	4.90	0.544	0.059	0.076	0.250	0.002	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.30
MAXIMUM DAILY, 21.4 ON APR 26
MINIMUM DAILY, 0.002B ON DEC 29
MAXIMUM INSTANTANEOUS,
24.7 AT 18:30 MST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 15 19 N
LONG 114 13 54 W
DRAINAGE AREA, 2 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 320	JUL	22 000
FEB	868	AUG	6 060
MAR	1 390	SEP	428
APR	18 600	OCT	527
MAY	32 400	NOV	879
JUN	19 500	DEC	233

TOTAL DISCHARGE, 104 000 dam³

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.006	0.036	0.524	0.126	0.216	0.283	0.011	---	1
2	---	---	---	---	0.004	0.034	0.630	0.135	0.265	0.196	0.010	---	2
3	---	---	---	---	0.036	0.030	0.472	0.231	0.272	0.130	0.010A	---	3
4	---	---	---	---	0.013	0.036	0.482	0.081	0.295	0.079	---	---	4
5	---	---	---	---	0.011	0.030	0.416	0.109	0.310	0.102	---	---	5
6	---	---	---	---	0.028	0.025	0.328	0.135	0.324	0.221	---	---	6
7	---	---	---	---	0.032	0.026	0.235	0.070	0.304	0.222	---	---	7
8	---	---	---	---	0.105	0.129	0.184	0.150	0.225	0.382	---	---	8
9	---	---	---	---	0.122	0.237	0.182	0.166	0.170	0.505	---	---	9
10	---	---	---	---	0.050	0.226	0.267	0.142	0.137	0.838	---	---	10
11	---	---	---	---	0.033	0.278	0.336	0.335	0.194	0.477	---	---	11
12	---	---	---	---	0.026	0.327	0.367	0.260	0.215	0.553	---	---	12
13	---	---	---	---	0.021	0.594	0.617	0.117	0.221	0.914	---	---	13
14	---	---	---	---	0.019	5.72	0.371	0.128	0.248	0.525	---	---	14
15	---	---	---	---	0.071	1.76	0.208	0.146	0.281	0.318	---	---	15
16	---	---	---	---	1.78	0.221	0.287	0.135	0.193	0.236	---	---	16
17	---	---	---	---	1.12	0.111	0.328	0.112	0.132	0.207	---	---	17
18	---	---	---	---	0.241	0.117	0.496	0.160	0.112	0.227	---	---	18
19	---	---	---	---	0.146	0.082	0.570	0.374	0.208	0.278	---	---	19
20	---	---	---	---	2.38	0.051	0.540	0.164	0.109	0.228	---	---	20
21	---	---	---	---	0.536	0.041	0.514	0.074	0.095	0.115	---	---	21
22	---	---	---	---	0.556	0.045	0.568	0.074	0.055	0.010	---	---	22
23	---	---	---	---	0.984	0.060	0.825	0.043	0.048	0.017	---	---	23
24	---	---	---	---	0.320	0.037	0.982	0.051	0.066	0.024	---	---	24
25	---	---	---	---	0.126	0.027	0.853	0.062	0.102	0.026	---	---	25
26	---	---	---	---	0.092	0.144	0.408	0.055	0.217	0.020	---	---	26
27	---	---	---	---	0.072	0.376	0.516	0.071	0.321	0.018	---	---	27
28	---	---	---	---	0.054	0.382	0.245	0.066	0.331	0.017	---	---	28
29	---		---	---	0.046	0.397	0.189	0.055	0.417	0.015	---	---	29
30	---		---	0.006A	0.043	0.428	0.160	0.100	0.408	0.014	---	---	30
31	---		---		0.040		0.148	0.202		0.012		---	31
TOTAL	---	---	---	---	9.113	12.007	13.248	4.129	6.491	7.209	---	---	TOTAL
MEAN	---	---	---	---	0.294	0.400	0.427	0.133	0.216	0.233	---	---	MEAN
MAX	---	---	---	---	2.38	5.72	0.982	0.374	0.417	0.914	---	---	MAX
MIN	---	---	---	---	0.004	0.025	0.148	0.043	0.048	0.010	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 5.72 ON JUN 14

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 39 N
LONG 112 55 48 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 140
FEB	---	AUG	357
MAR	---	SEP	561
APR	---	OCT	623
MAY	787	NOV	---
JUN	1 040	DEC	---

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.65	1.41B	1.05	2.12	6.76	13.2	6.87	3.41	0.905	0.509	0.624	0.679	1
2	2.50	1.13B	1.09	1.89	9.31	11.0	6.24	3.06	1.08	0.495	0.672	0.661	2
3	2.43	1.20B	1.13	1.76	7.49	10.9	5.51	2.94	1.05	0.600	0.605	0.516	3
4	2.31	1.26B	1.13	1.77	6.30	10.6	5.37	2.68	0.993	0.603	0.583	0.549	4
5	2.17	1.10B	1.14	1.64	5.85	9.99	5.48	2.38	0.959	0.606	0.677	0.699	5
6	2.02	1.30B	1.08	1.67	5.68	9.21	5.35	2.35	0.948	0.611	0.681	0.728	6
7	1.92	1.46B	0.942	1.61	5.38	9.06	5.03	2.24	0.901	0.601	0.632	0.591	7
8	2.02	1.35B	1.08	1.55	6.45	8.23	4.33	2.13	0.848	0.516	0.662	0.518	8
9	2.07	1.38B	1.01	1.42	6.46	7.04	3.57	2.06	0.748	0.497	0.684	0.629	9
10	1.65	1.87B	1.06	1.49	5.90	6.22	3.19	1.96	0.676	0.580	0.707	0.667	10
11	1.84	2.95B	1.11	1.53	5.89	5.83	2.98	1.88	0.678	0.661	0.709	0.466	11
12	1.98	3.36B	1.11	1.57	5.40	5.74	2.84	1.82	0.678	0.747	0.614	0.466	12
13	1.81	2.31B	1.14	1.53	4.96	11.6	2.86	1.74	0.678	0.726	0.672	0.445	13
14	1.24 B	1.96	1.13	1.51	4.92	20.0	2.86	2.05	0.677	0.669	0.638	0.476	14
15	1.02 B	1.60	1.15	1.59	16.1	13.0	2.79	2.07	0.676	0.696	0.542	0.507	15
16	0.816B	1.60	1.19	1.60	18.7	14.1	3.24	1.77	0.675	0.697	0.614	0.505	16
17	0.696B	1.83	1.24	1.80	14.5	13.2	3.18	1.65	0.671	0.664	0.704	0.470	17
18	1.28 B	1.56	1.32	1.82	19.0	10.9	3.09	1.55	0.669	0.621	0.765	0.469	18
19	1.96	1.49	1.06	1.88	25.2	8.78	2.78	1.52	0.620	0.651	0.686	0.562	19
20	1.92	1.73	0.909	1.93	27.2	8.60	2.60	1.47	0.595	0.761	0.825	0.568	20
21	1.71	1.35	1.18	2.14	26.5	9.22	2.52	1.37	0.599	0.732	0.769	0.488	21
22	1.73	1.39	1.30	2.27	68.7	8.52	2.47	1.29	0.597	0.714	0.707	0.457	22
23	1.64	1.33	1.30	2.43	49.1	7.52	2.50	1.24	0.589	0.724	0.650	0.435	23
24	1.81	1.27	1.33	4.88	33.7	6.92	3.52	1.19	0.604	0.719	0.481	0.428	24
25	1.32 B	1.13	1.47	6.62	30.3	6.67	16.8	1.15	0.658	0.565	0.472	0.410B	25
26	0.813B	1.07	1.79	5.52	27.1	7.08	12.5	1.12	0.708	0.521	0.477	0.390B	26
27	1.15 B	1.09	1.69	4.66	22.5	8.74	8.42	1.11	0.695	0.702	0.602	0.370B	27
28	0.951B	1.08	1.82	4.18	18.5	7.98	6.46	1.08	0.487	0.700	0.505	0.300B	28
29	1.11 B		2.25	4.12	15.5	6.76	5.27	1.01	0.566	0.691	0.549	0.270B	29
30	1.10 B		2.54	4.18	14.2	6.30	4.38	1.01	0.555	0.653	0.636	0.240B	30
31	1.21 B		2.28		14.2		3.82	1.06		0.483		0.230B	31
TOTAL	50.846	43.56	41.021	74.68	527.75	282.91	148.82	55.26	21.783	19.715	19.144	15.189	TOTAL
MEAN	1.64	1.56	1.32	2.49	17.0	9.43	4.80	1.78	0.726	0.636	0.638	0.490	MEAN
MAX	2.65	3.36	2.54	6.62	68.7	20.0	16.8	3.41	1.08	0.761	0.825	0.728	MAX
MIN	0.696	1.07	0.909	1.42	4.92	5.74	2.47	1.01	0.487	0.483	0.472	0.230	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.56
MAXIMUM DAILY, 68.7 ON MAY 22
MINIMUM DAILY, 0.230B ON DEC 31
MAXIMUM INSTANTANEOUS,
82.3 AT 09:10 MST ON MAY 22

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 38 N
LONG 113 47 35 W
DRAINAGE AREA, 238 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 390	JUL	12 900
FEB	3 760	AUG	4 770
MAR	3 540	SEP	1 880
APR	6 450	OCT	1 700
MAY	45 600	NOV	1 650
JUN	24 400	DEC	1 310

TOTAL DISCHARGE, 112 000 dam³

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.236	1.37	2.93	1.57	0.671	0.229	0.120	---	---	1
2	---	---	---	0.240B	1.58	2.62	1.41	0.611	0.225	0.128	---	---	2
3	---	---	---	0.250B	1.23	2.64	1.32	0.588	0.222	0.120	---	---	3
4	---	---	---	0.249	1.08	2.54	1.34	0.538	0.209	0.123	---	---	4
5	---	---	---	0.252	0.987	2.38	1.33	0.503	0.205	0.116	---	---	5
6	---	---	---	0.250B	0.930	2.29	1.28	0.475	0.205	0.114	---	---	6
7	---	---	---	0.250B	0.882	2.27	1.17	0.443	0.200	0.113	---	---	7
8	---	---	---	0.250B	0.926	1.99	1.03	0.438	0.185	0.108	---	---	8
9	---	---	---	0.245	0.900	1.77	0.933	0.431	0.172	0.105	---	---	9
10	---	---	---	0.250B	0.980	1.62	0.863	0.411	0.174	0.110	---	---	10
11	---	---	0.155A	0.250B	0.954	1.53	0.808	0.406	0.171	0.132	---	---	11
12	---	---	---	0.250B	0.904	1.50	0.747	0.391	0.166	0.135	---	---	12
13	---	---	---	0.270B	0.877	1.69	0.764	0.383	0.175	0.122	---	---	13
14	---	---	---	0.247	0.968	1.87	0.736	0.432	0.169	0.141	---	---	14
15	---	---	---	0.242	1.94	2.00	0.696	0.400	0.163	0.133	---	---	15
16	---	---	---	0.259	1.89	2.55	0.719	0.368	0.161	0.126	---	---	16
17	---	---	---	0.266	1.63	2.52	0.711	0.351	0.133	0.123	---	---	17
18	---	---	---	0.264	2.07	2.12	0.658	0.340	0.133	0.115	---	---	18
19	---	---	---	0.272	3.55	1.83	0.601	0.328	0.135	0.118	---	---	19
20	---	---	---	0.282	4.46	1.83	0.580	0.304	0.132	0.131	---	---	20
21	---	---	---	0.414	4.77	1.85	0.556	0.295	0.143	0.107	---	---	21
22	---	---	---	0.467	10.2	1.70	0.517	0.287	0.137	0.130	---	---	22
23	---	---	---	0.628	9.01	1.58	0.544	0.282	0.136	0.136	---	---	23
24	---	---	---	1.04	6.87	1.53	0.768	0.271	0.145	0.142	---	---	24
25	---	---	0.184	0.928	6.23	1.56	1.98	0.266	0.150	0.139	---	---	25
26	---	---	0.195	0.781	5.64	1.72	1.54	0.263	0.153	0.142	---	---	26
27	---	---	0.200	0.693	4.76	1.88	1.18	0.261	0.145	0.142	---	---	27
28	---	---	0.207	0.678	3.81	1.66	1.01	0.255	0.128	0.134A	---	---	28
29	---		0.219	0.686	3.32	1.50	0.887	0.240	0.125	0.130E	---	---	29
30	---		0.237	0.763	3.20	1.52	0.791	0.250	0.121	0.130E	---	---	30
31	---		0.239		3.25		0.720	0.241		0.130E		---	31
TOTAL	---	---	---	12.152	91.168	58.99	29.759	11.719	4.947	3.895	---	---	TOTAL
MEAN	---	---	---	0.405	2.94	1.97	0.960	0.378	0.165	0.126	---	---	MEAN
MAX	---	---	---	1.04	10.2	2.93	1.98	0.671	0.229	0.142	---	---	MAX
MIN	---	---	---	0.236	0.877	1.50	0.517	0.240	0.121	0.105	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.994
MAXIMUM DAILY, 10.2 ON MAY 22
MINIMUM DAILY, 0.105 ON OCT 9
MAXIMUM INSTANTANEOUS,
10.9 AT 10:10 MST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 114 00 20 W
DRAINAGE AREA, 29.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 570
FEB	---	AUG	1 010
MAR	---	SEP	427
APR	1 050	OCT	337
MAY	7 880	NOV	---
JUN	5 100	DEC	---

TOTAL DISCHARGE, 18 400 dam³

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	6.14	10.7	6.56	1.87	0.740	0.576	---	---	1
2	---	---	---	---	5.21	9.34	5.59	1.76	0.746	0.825	---	---	2
3	---	---	---	---	4.00	9.00	5.42	1.73	0.710	0.710	---	---	3
4	---	---	---	---	3.47	8.06	5.55	1.62	0.695	0.615	---	---	4
5	---	---	---	---	3.34	7.17	5.31	1.53	0.682	0.580	---	---	5
6	---	---	---	---	3.09	6.90	4.86	1.45	0.660	0.564	---	---	6
7	---	---	---	---	3.02	6.48	4.20	1.39	0.655	0.559	---	---	7
8	---	---	---	---	3.35	5.66	3.50	1.35	0.641	0.551	---	---	8
9	---	---	---	---	3.85	5.09	3.07	1.29	0.622	0.545	---	---	9
10	---	---	---	---	4.16	4.55	3.38	1.23	0.618	0.523	---	---	10
11	---	---	---	---	3.54	4.18	3.10	1.18	0.607	0.534	---	---	11
12	---	---	---	---	3.22	4.22	2.87	1.19	0.598	0.524	---	---	12
13	---	---	---	---	3.47	5.91	3.08	1.56	0.590	0.490	---	---	13
14	---	---	---	---	3.95	7.98	2.92	1.32	0.585	0.520	---	---	14
15	---	---	---	---	5.57	9.47	2.76	1.23	0.579	0.511	---	---	15
16	---	---	---	---	4.83	10.1	2.77	1.14	0.565	0.509	---	---	16
17	---	---	---	---	4.80	9.18	2.52	1.12	0.572	0.512	---	---	17
18	---	---	---	---	6.03	8.02	2.35	1.06	0.568	0.491	---	---	18
19	---	---	---	---	7.71	6.97	2.25	1.02	0.567	0.482	---	---	19
20	---	---	---	---	10.6	6.39	2.15	0.980	0.568	0.484	---	---	20
21	---	---	---	---	12.0	6.05	2.07	0.951	0.566	0.433	---	---	21
22	---	---	---	---	13.1	5.60	2.00	0.926	0.570	0.479	---	---	22
23	---	---	---	---	14.9	5.60	2.15	0.893	0.563	0.482	---	---	23
24	---	---	---	---	15.9	5.18	2.22	0.863	0.562	0.460	---	---	24
25	---	---	---	---	18.5	5.00	2.69	0.842	0.576	0.447	---	---	25
26	---	---	---	---	21.6	5.61	2.46	0.830	0.607	0.451	---	---	26
27	---	---	---	---	17.5	7.12	2.24	0.866	0.604	0.455	---	---	27
28	---	---	---	---	15.0	6.63	2.40	0.810	0.619	0.462A	---	---	28
29	---		---	---	12.8	5.82	2.53	0.780	0.618	0.465E	---	---	29
30	---		---	2.72A	11.9	6.14	2.18	0.778	0.586	0.462E	---	---	30
31	---		---		11.6		2.00	0.766		0.460E		---	31
TOTAL	---	---	---	---	258.15	204.12	99.15	36.325	18.439	16.161	---	---	TOTAL
MEAN	---	---	---	---	8.33	6.80	3.20	1.17	0.615	0.521	---	---	MEAN
MAX	---	---	---	---	21.6	10.7	6.56	1.87	0.746	0.825	---	---	MAX
MIN	---	---	---	---	3.02	4.18	2.00	0.766	0.562	0.433	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.44
MAXIMUM DAILY, 21.6 ON MAY 26
MINIMUM DAILY, 0.433 ON OCT 21
MAXIMUM INSTANTANEOUS,
24.8 AT 23:20 MST ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 06 N
LONG 114 25 49 W
DRAINAGE AREA, 103 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 570
FEB	---	AUG	3 140
MAR	---	SEP	1 590
APR	---	OCT	1 400
MAY	22 300	NOV	---
JUN	17 600	DEC	---

TOTAL DISCHARGE, 54 600 dam³

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.400B	10.4 B	27.4	21.5	4.30	13.7	0.615	1.45	---	---	1
2	---	---	0.411B	11.5 B	26.0	27.8	4.04	11.9	0.600E	1.45	---	---	2
3	---	---	0.500B	12.5 B	24.0	21.8	3.40	8.93	0.580E	1.39	---	---	3
4	---	---	0.600B	13.3 B	21.5	20.6	3.02	7.26	0.600E	1.33	---	---	4
5	---	---	0.550B	14.6 B	19.9	19.2	2.52	2.55	0.620E	1.30	---	---	5
6	---	---	0.500B	15.1 B	19.1	15.9	2.42	2.32	0.650E	1.30	---	---	6
7	---	---	0.470B	15.5 B	18.4	13.5	2.16	2.06	0.640E	1.27	---	---	7
8	---	---	0.510B	16.2 B	17.0	8.63	2.09	1.88	0.610E	1.23	---	---	8
9	---	---	0.560B	13.2 B	17.3	7.49	1.95	1.78	0.560E	1.20	---	---	9
10	---	---	0.600B	11.8 B	17.5 E	6.88	2.01	1.72	0.500E	1.20	---	---	10
11	---	---	0.650B	10.8 B	17.8	6.38	1.88	1.59	0.436	1.20	---	---	11
12	---	---	0.700B	9.50B	17.7	5.60	1.88	1.47	0.436	1.17	---	---	12
13	---	---	0.750B	8.20B	16.6	5.46	1.86	1.36	0.428	1.20	---	---	13
14	---	---	0.831B	6.85B	15.8	13.5	1.82	1.25	0.436	1.20	---	---	14
15	---	---	1.00 B	5.36B	15.1	15.5	1.72	1.16	0.436	1.17	---	---	15
16	---	---	1.25 B	3.87B	13.5	14.6	1.72	1.07	0.496	1.14	---	---	16
17	---	---	1.50 B	6.30B	12.4	15.4	1.70	0.963	0.521	1.14	---	---	17
18	---	---	1.70 B	8.80B	11.5	22.9	1.72	0.853	0.538	1.14	---	---	18
19	---	---	1.50 B	11.3 B	10.7	18.4	2.44	0.766	0.547	1.14	---	---	19
20	---	---	1.20 B	13.4 B	10.2	12.5	2.37	0.700	0.538	1.08 B	---	---	20
21	---	---	1.07 B	20.4 B	9.87	11.9	2.27	0.598	0.538	1.07 B	---	---	21
22	---	---	0.900B	25.7 B	9.49	10.5	8.28	0.564	0.564	1.07 B	---	---	22
23	---	---	0.850B	27.6 B	9.29	9.54	35.3	0.564	0.564	0.963B	---	---	23
24	---	---	0.908B	24.5 B	11.4 E	7.98	32.7	0.555	0.722	0.952B	---	---	24
25	---	---	1.07 B	36.6 B	13.5	6.92	28.5	0.530	1.45	0.897B	---	---	25
26	---	---	1.87 B	37.5	10.6	6.28	25.1	0.521	1.45	0.864B	---	---	26
27	---	---	2.67 B	32.7	9.74	5.99	23.1	0.504	1.47	0.908B	---	---	27
28	---	---	3.43 B	30.9	10.2	5.64	21.7	0.504	1.53	0.788B	---	---	28
29	---		5.00 B	29.2	10.1	5.08	19.4	0.530E	1.57	0.842B	---	---	29
30	---		7.00 B	28.3	13.2	4.83	18.6	0.560E	1.49	0.897B	---	---	30
31	---		9.62 B		22.0		17.5	0.590E		0.930B		---	31
TOTAL	---	---	50.570	511.88	478.79	368.20	279.47	71.302	22.135	34.881	---	---	TOTAL
MEAN	---	---	1.63	17.1	15.4	12.3	9.02	2.30	0.738	1.13	---	---	MEAN
MAX	---	---	9.62	37.5	27.4	27.8	35.3	13.7	1.57	1.45	---	---	MAX
MIN	---	---	0.400	3.87	9.29	4.83	1.70	0.504	0.428	0.788	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.42
MAXIMUM DAILY, 37.5 ON APR 26
MINIMUM DAILY, 0.400B ON MAR 1
MAXIMUM INSTANTANEOUS,
40.6 AT 00:00 MST ON APR 26

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 25 00 N
LONG 116 20 20 W
DRAINAGE AREA, 1 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24 100
FEB	---	AUG	6 160
MAR	4 370	SEP	1 910
APR	44 200	OCT	3 010
MAY	41 400	NOV	---
JUN	31 800	DEC	---

TOTAL DISCHARGE, 157 000 dam³

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	2.94	26.8	35.4	29.7	27.5	36.0	32.2	---	1
2	---	---	---	0	2.92	30.2	31.6	29.7	27.0	37.9	28.0	---	2
3	---	---	---	0	2.95	33.7	29.4	29.9	26.6	39.4	6.59	---	3
4	---	---	---	0	2.95	33.6	30.1	29.8	26.4	40.0	1.47 E	---	4
5	---	---	---	0	4.77	33.2	29.5	29.6	26.5	39.9	0.473A	---	5
6	---	---	---	0	10.4	32.9	29.2	30.7	26.6	38.4	0.050E	---	6
7	---	---	---	0	16.1	32.9	29.2	31.1	26.5	38.1	0 E	---	7
8	---	---	---	0	16.5	32.7	29.4	31.6	26.9	37.1	0 E	---	8
9	---	---	---	0	16.8	32.0	31.9	31.4	26.2	35.2	0 E	---	9
10	---	---	---	0	17.0	33.6	32.7	31.6	25.6	33.6	0 E	---	10
11	---	---	---	0	17.5	34.6	31.8	32.0	26.6	32.9	0 E	---	11
12	---	---	---	0	20.4	35.0	31.6	32.2	26.1	32.9	0 E	---	12
13	---	---	---	0	21.4	33.4	32.2	31.9	26.4	33.7	0 E	---	13
14	---	---	---	0	21.9	30.1	32.3	31.3	26.6	35.3	0 E	---	14
15	---	---	---	0	22.0	32.3	31.2	31.5	27.3	36.1	0 E	---	15
16	---	---	---	0	22.1	34.7	30.1	31.5	27.4	35.0	0 E	---	16
17	---	---	---	0	22.4	35.2	30.6	31.4	27.3	33.3	0 E	---	17
18	---	---	---	0	22.0	37.0	30.4	31.4	27.0	33.1	0 E	---	18
19	---	---	---	0	22.2	37.7	30.9	31.6	27.3	32.8	0 E	---	19
20	---	---	---	0	21.8	38.1	32.3	32.4	27.0	31.4	0 E	---	20
21	---	---	---	1.96A	21.5	37.5	31.3	32.4	26.7	31.6	0 E	---	21
22	---	---	---	2.59E	21.5	37.0	30.8	32.8	26.1	30.5	0 E	---	22
23	---	---	---	3.23E	21.4	36.9	31.0	33.3	28.4	30.5	0 E	---	23
24	---	---	---	3.86A	21.7	36.1	28.9	33.0	29.6	31.9	0 E	---	24
25	---	---	---	3.52E	21.3	36.1	28.4	33.1	29.7	32.1	0 E	---	25
26	---	---	---	3.84E	21.2	35.6	28.0	32.9	29.5	32.7	0 E	---	26
27	---	---	---	4.48A	21.6	36.3	28.4	30.3	29.2	35.2	0 E	---	27
28	---	---	---	6.04	22.6	35.4	28.2	27.6	30.3	33.6	0 E	---	28
29	---		---	5.45	25.0	35.0	29.0	28.1	32.4	33.6	0 E	---	29
30	---		0A	3.01	25.3	35.4	28.9	28.1	34.4	32.8	0 E	---	30
31	---		0		25.4		29.4	27.8		29.9		---	31
TOTAL	---	---	---	37.98	555.53	1 031.0	944.1	961.7	831.1	1 066.5	68.783	---	TOTAL
MEAN	---	---	---	1.27	17.9	34.4	30.5	31.0	27.7	34.4	2.29	---	MEAN
MAX	---	---	---	6.04	25.4	38.1	35.4	33.3	34.4	40.0	32.2	---	MAX
MIN	---	---	---	0	2.92	26.8	28.0	27.6	25.6	29.9	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.5
MAXIMUM DAILY, 40.0 ON OCT 4
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 15 N
LONG 112 20 29 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	81 600
FEB	---	AUG	83 100
MAR	---	SEP	71 800
APR	3 280	OCT	92 100
MAY	48 000	NOV	5 940
JUN	89 100	DEC	---

TOTAL DISCHARGE, 475 000 dam³

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	4.24	7.59	7.37	4.18	3.75	0	---	1
2	---	---	---	0	0	4.54	7.62	7.44	4.21	3.76	0	---	2
3	---	---	---	0	0	5.41	7.58	7.56	4.15	3.83	0	---	3
4	---	---	---	0	0	5.69	7.64	7.77	4.32	4.01	0	---	4
5	---	---	---	0	0	6.71	7.45	7.76	4.34	4.22	0A	---	5
6	---	---	---	0	0	7.56	7.43	8.04	4.41	4.51	0E	---	6
7	---	---	---	0	0.054	7.55	7.68	7.56	4.39	4.49	0E	---	7
8	---	---	---	0	0.033	10.1	8.49	7.42	4.55	4.42	0E	---	8
9	---	---	---	0	0.023	12.1	9.25	7.36	4.53	4.17	0E	---	9
10	---	---	---	0	0.018	12.9	9.93	6.84	4.51	3.93	0E	---	10
11	---	---	---	0	0.243	13.7	10.1	6.55	4.50	3.79	0E	---	11
12	---	---	---	0	0.606	14.0	10.2	6.63	4.44	3.82	0E	---	12
13	---	---	---	0	1.53	11.9	11.2	6.76	4.53	3.81	0E	---	13
14	---	---	---	0	1.15	8.90	13.2	6.79	4.47	3.74	0E	---	14
15	---	---	---	0	1.36	8.86	14.9	6.84	4.40	3.65	0E	---	15
16	---	---	---	0	2.58	8.21	15.5	6.97	4.45	1.39	0E	---	16
17	---	---	---	0	2.41	7.62	15.7	6.96	4.47	0	0E	---	17
18	---	---	---	0	1.70	7.00	15.7	6.56	4.35	0	0E	---	18
19	---	---	---	0	1.60	6.71	15.7	5.51	4.26	0	0E	---	19
20	---	---	---	0	1.47	6.96	15.2	4.55	4.20	0	0E	---	20
21	---	---	---	0	1.96	6.95	15.8	4.61	4.05	0	0E	---	21
22	---	---	---	0	2.03	6.98	14.1	4.62	3.97	0	0E	---	22
23	---	---	---	0	1.89	7.16	12.5	4.75	3.98	0	0E	---	23
24	---	---	---	0	1.84	7.24	8.71	4.69	4.03	0	0E	---	24
25	---	---	---	0	1.84	7.00	6.85	4.05	4.35	0	0E	---	25
26	---	---	---	0	1.86	7.04	6.80	3.79	4.24	0	0E	---	26
27	---	---	---	0	3.36	7.34	5.57	3.96	4.09	0	0E	---	27
28	---	---	---	0	4.55	7.23	5.14	4.11	4.07	0	0E	---	28
29	---		---	0	4.27	7.31	5.66	4.25	3.91	0	0E	---	29
30	---		0A	0	4.15	7.44	6.19	4.23	3.81	0	0E	---	30
31	---		0		4.21		7.17	4.11		0		---	31
TOTAL	---	---	---	0	46.737	242.35	312.55	186.41	128.16	61.29	0	---	TOTAL
MEAN	---	---	---	0	1.51	8.08	10.1	6.01	4.27	1.98	0	---	MEAN
MAX	---	---	---	0	4.55	14.0	15.8	8.04	4.55	4.51	0	---	MAX
MIN	---	---	---	0	0	4.24	5.14	3.79	3.81	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.01
MAXIMUM DAILY, 15.8 ON JUL 21
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 00 N
LONG 112 25 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27 000
FEB	---	AUG	16 100
MAR	---	SEP	11 100
APR	0	OCT	5 300
MAY	4 040	NOV	0
JUN	20 900	DEC	---

TOTAL DISCHARGE, 84 400 dam³

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	6.09	14.7	11.8	8.44	9.95	0E	---	1
2	---	---	---	0	0	7.62	14.0	11.9	8.36	8.43	0E	---	2
3	---	---	---	0	0	8.94	13.5	11.9	8.19	7.35	0E	---	3
4	---	---	---	0	0	9.40	13.7	12.0	6.93	7.30	0E	---	4
5	---	---	---	0	0	12.8	13.9	12.1	5.97	7.31	0A	---	5
6	---	---	---	0	0.795	15.2	14.1	11.0	5.98	7.24	0E	---	6
7	---	---	---	0	1.27	15.3	14.2	10.4	5.90	7.27	0E	---	7
8	---	---	---	0	1.25	18.0	14.3	10.7	5.86	8.33	0E	---	8
9	---	---	---	0	1.25	20.6	16.7	11.1	7.18	9.46	0E	---	9
10	---	---	---	0	1.27	21.6	18.0	11.4	7.90	9.82	0E	---	10
11	---	---	---	0	1.28	22.0	18.1	11.6	7.63	9.64	0E	---	11
12	---	---	---	0	2.27	22.2	18.2	11.5	7.57	9.56	0E	---	12
13	---	---	---	0	2.93	20.2	20.7	11.4	7.47	8.62	0E	---	13
14	---	---	---	0	2.95	18.1	22.4	11.4	9.04	6.60	0E	---	14
15	---	---	---	0	2.93	18.6	24.4	11.5	10.1	4.65	0E	---	15
16	---	---	---	0	2.85 A	15.1	26.3	11.6	9.93	1.13	0E	---	16
17	---	---	---	0	2.85 E	12.7	26.6	11.7	9.84	0 E	0E	---	17
18	---	---	---	0	2.85 E	11.8	26.8	11.7	9.71	0 E	0E	---	18
19	---	---	---	0	2.85 A	11.3	26.9	11.9	9.61	0 E	0E	---	19
20	---	---	---	0	2.85 A	11.4	26.9	11.9	9.50	0 E	0E	---	20
21	---	---	---	0	2.85 A	11.4	26.2	11.9	11.3	0 E	0E	---	21
22	---	---	---	0	2.85 A	11.4	25.4	11.7	11.9	0 E	0E	---	22
23	---	---	---	0	2.85 E	11.4	23.6	11.7	10.9	0 E	0E	---	23
24	---	---	---	0	2.85 E	11.7	16.6	11.7	10.0	0 E	0E	---	24
25	---	---	---	0	2.85 A	13.4	11.9	11.8	10.0	0 E	0E	---	25
26	---	---	---	0	3.50 A	14.5	11.9	9.93	9.96	0 E	0E	---	26
27	---	---	---	0	3.03	14.6	12.2	8.92	9.87	0 E	0E	---	27
28	---	---	---	0	3.27	14.5	12.6	8.77	9.89	0 E	0E	---	28
29	---		---	0	3.97	14.5	12.5	8.86	9.92	0 E	0E	---	29
30	---		0A	0	3.99	14.5	12.3	8.88	9.97	0 E	0E	---	30
31	---		0		3.97		12.1	8.77		0 E		---	31
TOTAL	---	---	---	0	68.425	430.85	561.7	343.43	264.82	122.66	0	---	TOTAL
MEAN	---	---	---	0	2.21	14.4	18.1	11.1	8.83	3.96	0	---	MEAN
MAX	---	---	---	0	3.99	22.2	26.9	12.1	11.9	9.95	0	---	MAX
MIN	---	---	---	0	0	6.09	11.9	8.77	5.86	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.34
MAXIMUM DAILY, 26.9 ON JUL 19
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 20 N
LONG 112 20 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	48 500
FEB	---	AUG	29 700
MAR	---	SEP	22 900
APR	0	OCT	10 600
MAY	5 910	NOV	0
JUN	37 200	DEC	---

TOTAL DISCHARGE, 155 000 dam³

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.70E	2.11	2.14	38.3	31.3	14.2	6.18	4.07	3.43	---	1
2	---	---	1.70E	2.07	2.38	37.0	24.3	13.2	6.11	4.13	3.46	---	2
3	---	---	1.70E	2.04	2.53	35.2	25.2	12.5	5.98	4.06	3.43A	---	3
4	---	---	1.70E	2.04	2.75	30.6	29.3	11.8	5.88	4.01	---	---	4
5	---	---	1.70E	2.04	2.78	26.1	27.2	11.1	5.80	3.97	---	---	5
6	---	---	1.70E	2.02	2.91	25.6	23.3	10.5	5.64	3.93	---	---	6
7	---	---	1.70E	2.01	2.98	23.4	19.4	12.4	5.59	3.94	---	---	7
8	---	---	1.70E	2.01	3.08	20.5	15.6	13.0	5.46	3.91	---	---	8
9	---	---	1.78A	2.00	3.33	18.7	13.3	11.4	5.37	3.88	---	---	9
10	---	---	1.72	2.00	3.67	17.3	12.2	10.5	5.34	3.83	---	---	10
11	---	---	1.75	1.99	3.78	15.7	11.4	9.92	5.23	3.87	---	---	11
12	---	---	1.77	1.99	3.97	15.3	11.2	9.80	5.20	3.87	---	---	12
13	---	---	1.78	1.99	4.36	25.0	12.0	9.47	5.12	3.79	---	---	13
14	---	---	1.81	1.97	5.08	27.0	14.0	9.06	5.08	3.80	---	---	14
15	---	---	1.84	1.97	6.87	25.7	13.4	8.85	4.97	3.75	---	---	15
16	---	---	1.86	2.04	6.10	27.5	13.7	9.01	4.95	3.74	---	---	16
17	---	---	1.87	2.04	5.83	26.1	14.7	10.1	4.81	3.72	---	---	17
18	---	---	1.90	2.06	7.21	23.0	14.2	8.85	4.72	3.69	---	---	18
19	---	---	1.92	2.08	12.0	20.8	14.1	8.25	4.72	3.71	---	---	19
20	---	---	1.91	2.10	24.1	21.0	14.7	7.94	4.73	3.67	---	---	20
21	---	---	1.99	2.13	34.8	21.0	13.6	7.61	4.64	3.57	---	---	21
22	---	---	1.94	2.10	41.0	19.1	12.9	7.42	4.46	3.54	---	---	22
23	---	---	1.97	2.12	46.1	17.9	14.4	7.14	4.30	3.53	---	---	23
24	---	---	1.98	2.18	49.3	17.1	17.0	6.98	4.24	3.61	---	---	24
25	---	---	2.03	2.17	53.9	18.2	23.5	6.78	4.34	3.61	---	---	25
26	---	---	2.04	2.12	62.1	22.9	19.0	6.60	4.34	3.64	---	---	26
27	---	---	2.06	2.11	47.5	24.4	16.3	6.48	4.27	3.55	---	---	27
28	---	---	2.04	2.11	35.6	20.4	15.0	6.40	4.20	3.57	---	---	28
29	---		2.05	2.10	30.1	20.2	17.8	6.31	4.15	3.54	---	---	29
30	---		2.12	2.11	31.1	24.9	17.1	6.57	4.10	3.55	---	---	30
31	---		2.11		34.6		15.2	6.24		3.49		---	31
TOTAL	---	---	57.84	61.82	573.95	705.9	536.3	286.38	149.92	116.54	---	---	TOTAL
MEAN	---	---	1.87	2.06	18.5	23.5	17.3	9.24	5.00	3.76	---	---	MEAN
MAX	---	---	2.12	2.18	62.1	38.3	31.3	14.2	6.18	4.13	---	---	MAX
MIN	---	---	1.70	1.97	2.14	15.3	11.2	6.24	4.10	3.49	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 62.1 ON MAY 26

MAXIMUM INSTANTANEOUS,
76.6 AT 00:30 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 114 47 37 W
DRAINAGE AREA, 438 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	46 300
FEB	---	AUG	24 700
MAR	5 000	SEP	13 000
APR	5 340	OCT	10 100
MAY	49 600	NOV	---
JUN	61 000	DEC	---

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.21B	2.22B	2.92	3.19	3.08	61.9	36.1	20.0	8.10	6.30E	5.15E	3.83B	1
2	4.42B	2.18B	2.91	3.05	3.25	54.9	28.3	18.6	8.02	6.25E	5.10E	3.80B	2
3	4.64B	2.02B	2.83	3.03	3.32A	46.6	25.3	17.9	7.86	6.20E	5.06A	3.77B	3
4	4.40B	1.75B	2.83	2.95	3.50E	39.6	31.6	17.6	7.77	6.10E	5.03E	3.74B	4
5	4.30B	1.66B	2.87	2.94	4.20E	34.8	30.2	16.4	7.63	6.05E	5.00E	3.70B	5
6	4.20B	1.61B	2.90	2.96	5.60E	33.2	25.0	15.3	7.37	6.00E	4.96E	3.66B	6
7	4.20B	1.61B	2.88	2.91	7.20E	30.8	19.9	16.5	7.20	5.95E	4.92E	3.63B	7
8	4.10B	1.74B	2.81	2.86	9.00E	26.4	17.2	19.8	6.94	5.90E	4.88E	3.60B	8
9	4.00B	1.91B	2.85	2.84	8.40E	22.6	14.9	17.5	6.78	5.85E	4.84E	3.57B	9
10	3.90B	1.93B	2.78	2.83	8.80E	21.1	14.0	16.2	6.60	5.80E	4.80E	3.55B	10
11	3.90B	1.96B	2.75	2.78	9.10E	19.8	13.0	15.0	6.51	5.70E	4.74E	3.51B	11
12	3.80B	2.00B	2.81	2.82	8.16A	18.9	12.5	14.5	6.48	5.65E	4.68E	3.47B	12
13	3.78B	2.10B	2.80	2.80	9.13	35.2	13.1	14.1	6.42	5.58A	4.62E	3.43B	13
14	3.80B	2.20B	2.87	2.77	10.9	49.3	16.1	13.2	6.35	5.56E	4.56E	3.40B	14
15	3.80B	2.35B	2.88	2.85	15.7	42.8	15.8	12.6	6.24	5.56E	4.50E	3.37B	15
16	3.85B	2.50B	2.95	3.01	13.9	40.3	16.0	12.2	6.17	5.56E	4.53A	3.34B	16
17	3.85B	2.70B	2.95	3.11	14.2	37.2	17.2	14.3	6.13	5.56E	4.50E	3.38B	17
18	3.90B	2.80B	2.87	3.14	18.2	33.4	16.8	12.6	6.05	5.56E	4.45E	3.42B	18
19	3.90B	3.00B	2.90	3.12	24.7	28.6	16.1	11.7	6.17	5.56E	4.40E	3.46B	19
20	4.00B	3.05B	2.91	3.16	46.3	25.6	17.0	11.0	6.24	5.55E	4.35E	3.50B	20
21	3.60B	3.06B	2.89	3.30	61.0	24.9	16.4	10.6	6.19A	5.55E	4.30E	3.40B	21
22	3.30B	2.99B	3.01	3.24	70.1	21.2	16.8	10.2	6.25E	5.55E	4.25E	3.35B	22
23	3.10B	2.99B	2.78	3.24	68.1	19.0	17.8	9.63	6.31E	5.55E	4.20E	3.30B	23
24	3.16B	3.03B	2.87	3.37	74.0	17.8	20.8	9.29	6.37E	5.55E	4.15E	3.25B	24
25	3.11B	3.13B	2.87	3.33	79.5	17.6	32.5	8.98	6.43E	5.55E	4.10E	3.15B	25
26	3.19B	3.57B	2.87	3.19	98.2	22.4	24.8	8.78	6.50E	5.54A	4.06E	3.05B	26
27	3.23B	3.14B	2.86	3.12	73.6	27.3	20.6	8.55	6.46E	5.45E	4.02B	3.00B	27
28	2.89B	3.03B	2.94	3.07	52.6	20.5	19.2	8.32	6.42E	5.40E	3.98B	2.95B	28
29	2.85B		3.05	3.09	40.7	18.4	22.8	8.27	6.38E	5.35E	3.94B	2.90B	29
30	2.52B		3.26	3.04	40.3	24.3	26.0	8.81	6.36A	5.30E	3.90B	2.81B	30
31	2.32B		3.25		44.6		21.3	8.33		5.25E		2.80B	31
TOTAL	114.22	68.23	89.92	91.11	929.34	916.4	635.1	406.76	200.70	176.28	135.97	105.09	TOTAL
MEAN	3.68	2.44	2.90	3.04	30.0	30.5	20.5	13.1	6.69	5.69	4.53	3.39	MEAN
MAX	4.64	3.57	3.26	3.37	98.2	61.9	36.1	20.0	8.10	6.30	5.15	3.83	MAX
MIN	2.32	1.61	2.75	2.77	3.08	17.6	12.5	8.27	6.05	5.25	3.90	2.80	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.6
MAXIMUM DAILY, 98.2 ON MAY 26
MINIMUM DAILY, 1.61B ON FEB 6
MAXIMUM INSTANTANEOUS,
123 AT 04:30 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 40 N
LONG 114 34 30 W
DRAINAGE AREA, 790 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 870	JUL	54 900
FEB	5 900	AUG	35 100
MAR	7 770	SEP	17 300
APR	7 870	OCT	15 200
MAY	80 300	NOV	11 700
JUN	79 200	DEC	9 080

TOTAL DISCHARGE, 334 000 dam³

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.67	3.16	68.4	33.0	23.7	8.90	6.47	5.61	---	1
2	---	---	---	3.33	3.37	74.1	33.6	21.6	8.84	6.56	5.61A	---	2
3	---	---	---	3.20	3.60	62.8	27.3	20.1	8.64	6.59	---	---	3
4	---	---	---	2.98	3.69	51.1	30.5	19.3	8.43	6.44	---	---	4
5	---	---	---	3.02	4.57	41.5	30.0	18.1	8.52	6.34	---	---	5
6	---	---	---	3.09	6.21	36.6	27.7	16.9	8.33	6.34	---	---	6
7	---	---	---	3.05	8.70	33.3	24.5	15.9	8.01	6.33	---	---	7
8	---	---	---	2.90	9.98	30.0	22.5	20.6	7.86	6.32	---	---	8
9	---	---	---	2.85	9.44	27.4	18.9	19.1	7.67	6.23	---	---	9
10	---	---	---	2.73	9.81	25.3	17.2	17.4	7.46	6.33	---	---	10
11	---	---	3.62A	2.80	10.1	23.7	16.4	16.0	7.32	6.31	---	---	11
12	---	---	4.08	2.86	9.41	22.4	15.5	15.3	7.23	6.38	---	---	12
13	---	---	3.73	2.76	9.23	25.9	15.6	15.1	7.15	6.19	---	---	13
14	---	---	4.14	2.83	9.89	52.7	18.0	14.5	7.08	6.06	---	---	14
15	---	---	3.94	3.00	12.6	48.0	19.4	14.3	6.92	6.12	---	---	15
16	---	---	3.64	3.16	16.6	43.2	18.5	14.8	6.76	6.08	---	---	16
17	---	---	3.64	3.15	14.2	39.9	19.6	14.8	6.69	5.92	---	---	17
18	---	---	3.68	3.23	16.8	36.0	19.5	14.2	6.58	5.93	---	---	18
19	---	---	3.88	3.29	19.5	31.4	18.3	13.0	6.71	5.91	---	---	19
20	---	---	4.51	3.40	31.4	28.6	19.1	12.2	7.56	5.96	---	---	20
21	---	---	4.59	3.46	42.8	28.1	18.6	11.7	7.02	5.88	---	---	21
22	---	---	4.03	3.47	72.7	26.1	19.9	11.3	7.07	5.73	---	---	22
23	---	---	3.42	3.41	81.7	24.5	20.0	10.8	6.85	5.63	---	---	23
24	---	---	3.49	3.41	73.6	23.1	22.3	10.3	6.72	5.84	---	---	24
25	---	---	3.60	3.42	85.5	22.1	29.2	9.88	7.24	5.95	---	---	25
26	---	---	3.58	3.34	101	24.4	28.2	9.54	7.26	6.05	---	---	26
27	---	---	3.72	3.26	92.2	28.1	24.0	9.27	7.06	5.97	---	---	27
28	---	---	3.73	3.18	66.3	27.1	22.2	9.10	6.89	5.87	---	---	28
29	---		3.81	3.19	48.2	24.0	24.3	8.99	6.68	5.74	---	---	29
30	---		4.09	3.24	43.8	24.7	27.8	9.43	6.66	5.81	---	---	30
31	---		3.74		45.8		26.0	9.34		5.71		---	31
TOTAL	---	---	---	94.68	965.86	1 054.5	707.6	446.55	222.11	188.99	---	---	TOTAL
MEAN	---	---	---	3.16	31.2	35.2	22.8	14.4	7.40	6.10	---	---	MEAN
MAX	---	---	---	3.67	101	74.1	33.6	23.7	8.90	6.59	---	---	MAX
MIN	---	---	---	2.73	3.16	22.1	15.5	8.99	6.58	5.63	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 101 ON MAY 26

MAXIMUM INSTANTANEOUS,
121 AT 14:00 MST ON MAY 26

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 40 N
LONG 114 10 00 W

A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	61 100
FEB	---	AUG	38 600
MAR	---	SEP	19 200
APR	8 180	OCT	16 300
MAY	83 500	NOV	---
JUN	91 100	DEC	---

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.15	1.14	1.03	1.02	0.922	77.1	27.9	20.9	4.54	3.30	2.81	2.95	1
2	1.19	1.12	1.15	1.02	0.892	62.0	36.3	18.0	6.14	3.16	2.79	4.05	2
3	1.19	0.991	1.11	1.03	0.881	54.3	24.9	15.6	6.70	3.12	1.61	4.32	3
4	1.12	1.05	1.07	1.08	0.817	43.5	24.7	15.7	6.65	3.14	1.48	4.34	4
5	1.45	1.31	1.14	1.14	0.763	35.7	24.9	15.6	4.70	3.15	1.52	4.03	5
6	1.48	1.30 B	1.23	1.11	1.03	32.4	28.3	13.2	4.56	3.12	1.50	4.14	6
7	1.48	1.30 B	1.09	1.15	1.05	26.0	27.4	10.4	4.88	3.17	1.51	4.57	7
8	1.40	1.30 B	1.10	1.12	0.622	17.0	24.4	9.28	4.99	3.51	1.52	4.26	8
9	1.43	1.30 B	1.15	1.13	0.569	8.41	14.2	10.5	6.41	3.56	1.55	4.17	9
10	1.11	1.30 B	1.18	1.12	0.622	7.46	12.9	13.3	4.97	3.56	1.55	2.91	10
11	0.997	1.30 B	1.09	1.11	0.622	19.6	12.8	13.3	2.53	3.55	1.55	2.31	11
12	1.06	1.32	1.10	1.18	0.604	26.3	12.7	11.3	1.13	3.56	1.51	1.76	12
13	0.987	1.29	1.10	1.13	0.629	42.4	11.0	10.3	1.13	3.54	1.48	1.76	13
14	1.23	1.07	1.08	1.20	2.05	61.8	11.9	10.3	1.21	3.81	1.52	2.38	14
15	1.27	1.01	1.10	1.50	10.0	45.8	20.4	10.4	1.20	2.50	1.49	2.26	15
16	1.26	1.04	1.12	1.16	17.9	37.4	13.3	10.5	1.22	1.15	1.54	2.32	16
17	0.956	1.02	1.09	1.16	21.7	37.5	7.21	10.4	1.27	1.16	1.65	2.35	17
18	0.930	0.957	1.15	1.10	20.5	37.3	6.86	10.2	1.20	1.14	1.67	1.68	18
19	1.26	1.08	1.11	1.03	19.9	29.9	7.33	10.2	1.32	1.15	1.63	1.68	19
20	0.972	1.08	1.10	1.04	41.5	26.4	7.42	10.2	1.26	1.13	1.66	1.69	20
21	0.991	1.02	1.11	0.970	55.5	21.9	12.7	10.6	1.30	1.12	1.59	2.23	21
22	1.33	1.03	1.08	1.06	86.2	21.0	15.3	9.13	3.12	1.11	1.60	2.40	22
23	1.02	1.07	1.08	1.04	85.1	17.2	15.6	7.68	3.95	1.13	1.92	2.32	23
24	1.01	1.06	1.16	1.09	72.6	12.0	17.7	7.36	3.93	1.15	1.83	1.82	24
25	0.995	1.02	1.04	1.60	80.9	9.17	26.4	4.78	4.11	1.13	1.90	1.31	25
26	1.41	1.02	1.08	1.07	87.1	10.1	27.3	4.74	3.63	1.17	1.87	1.34	26
27	1.31	0.994	1.07	1.20	93.0	26.5	23.1	2.61	3.96	1.12	1.88	1.50B	27
28	1.32	1.04	1.06	0.891	60.3	27.7	17.2	1.43	3.55	2.37	1.54	1.70B	28
29	1.36		1.12	0.824	40.7	18.8	18.4	1.44	3.35	3.69	1.53	1.80B	29
30	1.67		1.14	0.829	36.6	11.6	25.1	1.46	3.32	3.79	1.89	1.90B	30
31	1.01		1.08		42.8		24.4	1.58		3.71		1.80B	31
TOTAL	37.348	31.532	34.31	33.104	884.373	904.24	580.02	302.39	102.23	76.97	51.09	80.05	TOTAL
MEAN	1.20	1.13	1.11	1.10	28.5	30.1	18.7	9.75	3.41	2.48	1.70	2.58	MEAN
MAX	1.67	1.32	1.23	1.60	93.0	77.1	36.3	20.9	6.70	3.81	2.81	4.57	MAX
MIN	0.930	0.957	1.03	0.824	0.569	7.46	6.86	1.43	1.13	1.11	1.48	1.31	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.54
MAXIMUM DAILY, 93.0 ON MAY 27
MINIMUM DAILY, 0.569 ON MAY 9
MAXIMUM INSTANTANEOUS,
95.8 AT 20:00 MST ON MAY 26

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 55 N
LONG 114 05 33 W
DRAINAGE AREA, 1 220 km²

B - ICE CONDITIONS

REGULATED SINCE 1932

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 230	JUL	50 100
FEB	2 720	AUG	26 100
MAR	2 960	SEP	8 830
APR	2 860	OCT	6 650
MAY	76 400	NOV	4 410
JUN	78 100	DEC	6 920

TOTAL DISCHARGE, 269 000 dam³

ELKWATER LAKE - STATION NO. 05AH025

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.685	1.732	1.908	1.853	1.713	1.515	---	---	1
2	---	---	---	---	1.683	1.730	1.906	1.851	1.709	1.513	1.469	---	2
3	---	---	---	---	1.682	1.738	1.902	1.849	1.702	1.510	---	---	3
4	---	---	---	---	1.681	1.736	1.897	1.847	1.698	1.508	---	---	4
5	---	---	---	---	1.680	1.734	1.891	1.846	1.695	1.504	---	---	5
6	---	---	---	1.672	1.695	1.732	1.888	1.844	1.691	1.500	---	---	6
7	---	---	---	---	1.702	1.729	1.884	1.842	1.686	1.497	---	---	7
8	---	---	---	---	1.700	1.731	1.879	1.840	1.681	1.495	---	---	8
9	---	---	1.642	---	1.698	1.729	1.872	1.838	1.677	1.491	---	---	9
10	---	---	---	---	1.697	1.728	1.868	1.834	1.677	1.497	---	---	10
11	---	---	---	---	1.703	1.726	1.863	1.830	1.672	1.517	---	---	11
12	---	---	---	---	1.700	1.819	1.862	1.825	1.670	1.526	---	---	12
13	---	---	---	---	1.700	1.894	1.870	1.821	1.668	1.528	---	---	13
14	---	---	---	---	1.698	2.001	1.868	1.816	1.659	1.526	---	---	14
15	---	---	---	---	1.707	2.003	1.866	1.812	1.650	1.524	---	---	15
16	---	---	---	---	1.758	2.001	1.864	1.808	1.639	1.521	---	---	16
17	---	---	---	---	1.763	2.005	1.863	1.804	1.627	1.517	---	---	17
18	---	---	---	---	1.762	2.003	1.861	1.799	1.617	1.514	---	---	18
19	---	---	---	---	1.760	2.007	1.860	1.795	1.608	1.512	---	---	19
20	---	---	---	---	1.758	2.005	1.866	1.791	1.600	1.510	---	---	20
21	---	---	---	---	1.756	2.004	1.879	1.784	1.589	1.504	---	---	21
22	---	---	---	---	1.753	2.003	1.880	1.779	1.583	1.499	---	---	22
23	---	---	---	---	1.750	1.997	1.878	1.772	1.571	1.494	---	---	23
24	---	---	---	---	1.748	1.991	1.876	1.768	1.564	1.490	---	---	24
25	---	---	---	---	1.746	1.984	1.873	1.762	1.550	1.486	---	---	25
26	---	---	---	---	1.745	1.976	1.869	1.756	1.542	1.484	---	---	26
27	---	---	---	---	1.747	1.977	1.866	1.748	1.536	1.481	---	---	27
28	---	---	---	---	---	1.962	1.863	1.735	1.527	1.478	---	---	28
29	---		---	1.699	1.738	1.951	1.859	1.715	1.522	1.475	---	---	29
30	---		---	---	1.735	1.932	1.857	1.718	1.517	1.472	---	---	30
31	---		---		1.735		1.855	1.715		1.469		---	31
MEAN	---	---	---	---	---	1.885	1.874	1.800	1.628	1.502	---	---	MEAN
MAX	---	---	---	---	---	2.007	1.908	1.853	1.713	1.528	---	---	MAX
MIN	---	---	---	---	---	1.726	1.855	1.715	1.517	1.469	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 2.007 ON JUN 19

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 44 N
LONG 110 17 10 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM NO. 2

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.950B	1.22 B	1.13B	1.43B	16.5E	9.62	6.02	4.38	1.16	0.590E	0.480B	0.490B	1
2	0.920B	1.18 B	1.16B	1.45B	19.5E	9.01	6.01	4.64	0.862	0.590E	0.490B	0.490B	2
3	0.930B	1.12 B	1.19B	1.49B	21.0E	8.59	6.02	4.49	0.817	0.590E	0.500B	0.490B	3
4	0.940B	1.06 B	1.22B	1.53B	21.5E	8.92	5.89	4.37	0.699	0.590E	0.520B	0.480B	4
5	0.900B	1.00 B	1.25B	1.58B	21.5E	9.01	5.48	4.34	0.652	0.580E	0.530B	0.480B	5
6	0.910B	0.960B	1.24B	1.62B	21.0E	8.95	5.48	4.17	0.630E	0.580E	0.540B	0.480B	6
7	0.930B	0.920B	1.23B	1.67B	21.0E	8.63	5.21	4.00	0.603	0.580E	0.540B	0.470B	7
8	0.950B	0.880B	1.22B	1.72B	20.5E	8.58	5.50	3.88	0.600E	0.580E	0.540B	0.470B	8
9	0.970B	0.840B	1.21B	1.76B	20.5E	8.62	5.61	3.74	0.600E	0.600E	0.530B	0.470B	9
10	1.00 B	0.820B	1.20B	1.80B	20.5E	8.43	5.98	3.56	0.590E	0.630E	0.530B	0.460B	10
11	1.03 B	0.800B	1.20B	1.84B	20.0E	8.31	5.63	3.35	0.590E	0.660E	0.520B	0.460B	11
12	1.06 B	0.780B	1.20B	1.88B	20.0E	7.87	5.75	3.21	0.580E	0.690E	0.510B	0.450B	12
13	1.09 B	0.760B	1.19B	1.92B	19.5E	7.45	5.62	3.03	0.580E	0.713	0.510B	0.450B	13
14	1.12 B	0.750B	1.19B	1.95B	19.0E	7.04	5.80	2.92	0.580E	0.771	0.500B	0.440B	14
15	1.15 B	0.730B	1.19B	1.98B	18.5E	6.73	5.62	2.97	0.570E	0.611	0.490B	0.440B	15
16	1.17 B	0.740B	1.19B	2.00B	18.0E	6.64	5.74	2.68	0.570E	0.560	0.490B	0.440B	16
17	1.20 B	0.750B	1.19B	2.05B	17.5E	6.40	5.50	2.56	0.570E	0.557	0.490B	0.430B	17
18	1.24 B	0.780B	1.19B	2.10B	17.0E	6.45	5.34	2.56	0.570E	0.585	0.490B	0.430B	18
19	1.28 B	0.820B	1.19B	2.15B	16.5E	6.22	5.28	2.38	0.560E	0.561	0.490B	0.430B	19
20	1.32 B	0.850B	1.19B	2.20B	16.0E	5.87	5.40	2.33	0.550E	0.550E	0.480B	0.420B	20
21	1.35 B	0.880B	1.18B	2.30B	15.5E	5.80	5.49	2.28	0.560E	0.540B	0.480B	0.420B	21
22	1.37 B	0.910B	1.18B	2.45B	15.5E	5.71	5.54	2.18	0.560E	0.530B	0.480B	0.420B	22
23	1.39 B	0.940B	1.18B	2.55B	15.0E	5.91	5.63	2.06	0.560E	0.520B	0.480B	0.420B	23
24	1.41 B	0.970B	1.18B	2.80B	14.5E	6.22	5.62	1.99	0.570E	0.510B	0.480B	0.420B	24
25	1.42 B	1.01 B	1.20B	3.60B	14.0E	6.71	5.42	1.90	0.570E	0.500B	0.480B	0.420B	25
26	1.41 B	1.04 B	1.22B	5.10B	13.5E	6.96	5.33	1.91	0.580E	0.500B	0.480B	0.410B	26
27	1.40 B	1.07 B	1.25B	6.60B	13.0E	6.74	5.07	1.83	0.590E	0.490B	0.480B	0.400B	27
28	1.37 B	1.10 B	1.28B	8.60B	12.3A	6.72	4.90	1.70	0.590E	0.490B	0.480B	0.390B	28
29	1.33 B		1.30B	11.5 B	11.9	6.32	4.61	1.57	0.590E	0.480B	0.490B	0.380B	29
30	1.29 B		1.35B	13.0 B	11.0	6.18	4.59	1.31	0.590E	0.470B	0.490B	0.370B	30
31	1.25 B		1.40B		10.3		4.59	1.34		0.470B		0.360B	31
TOTAL	36.050	25.680	37.69	94.62	532.0	220.61	169.67	89.63	18.693	17.668	14.990	13.580	TOTAL
MEAN	1.16	0.917	1.22	3.15	17.2	7.35	5.47	2.89	0.623	0.570	0.500	0.438	MEAN
MAX	1.42	1.22	1.40	13.0	21.5	9.62	6.02	4.64	1.16	0.771	0.540	0.490	MAX
MIN	0.900	0.730	1.13	1.43	10.3	5.71	4.59	1.31	0.550	0.470	0.480	0.360	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.48
MAXIMUM DAILY, 21.5E ON MAY 4
MINIMUM DAILY, 0.360B ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 04 N
LONG 111 42 51 W
DRAINAGE AREA, 2 480 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 110	JUL	14 700
FEB	2 220	AUG	7 740
MAR	3 260	SEP	1 620
APR	8 180	OCT	1 530
MAY	46 000	NOV	1 300
JUN	19 100	DEC	1 170

TOTAL DISCHARGE, 110 000 dam³

ETHEL LAKE NEAR COLD LAKE - STATION NO. 06AC004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	540.982	540.971	540.939	540.923	540.812	540.720	---	---	1
2	---	---	---	---	540.980	540.967	540.932	540.920	540.803	540.716	---	---	2
3	---	---	---	---	540.979	540.970	540.928	540.919	540.793	540.714	---	---	3
4	---	---	---	---	540.976	540.969	540.926	540.919	540.795	540.710	---	---	4
5	---	---	---	---	540.977	540.964	540.921	540.917	540.792	540.710	---	---	5
6	---	---	---	---	540.973	540.964	540.921	540.911	540.786	540.706	---	---	6
7	---	---	---	---	540.972	540.973	540.920	540.907	540.784	540.704	---	---	7
8	---	---	---	---	540.969	540.974	540.936	540.901	540.781	540.703	---	---	8
9	---	---	---	---	540.965	540.974	540.938	540.892	540.775	540.704	---	---	9
10	---	---	---	---	540.965	540.974	540.938	540.892	540.774	540.703	---	---	10
11	---	---	541.000A	---	540.964	540.976	540.937	540.886	540.768	540.700	---	---	11
12	---	---	---	---	540.964	540.973	540.936	540.879	540.761	540.697	---	---	12
13	---	---	---	---	540.964	540.969	540.933	540.870	540.761	540.697	---	---	13
14	---	---	---	---	540.961	540.962	540.937	540.864	540.764	540.696	---	---	14
15	---	---	---	---	540.959	540.958	540.946	540.861	540.757	540.696	---	---	15
16	---	---	---	---	540.970	540.956	540.946	540.859	540.751	540.693	---	---	16
17	---	---	---	---	540.951	540.957	540.944	540.855	540.754	540.693	---	---	17
18	---	---	---	---	540.950	540.951	540.941	540.853	540.750	540.688	---	---	18
19	---	---	---	---	540.956	540.942	540.937	540.846	540.738	540.687	---	---	19
20	---	---	---	---	540.962	540.936	540.934	540.843	540.735	540.681	---	---	20
21	---	---	---	---	540.962	540.938	540.930	540.838	540.731	540.679	---	---	21
22	---	---	---	---	540.962	540.941	540.934	540.835	540.730	540.676	---	---	22
23	---	---	---	---	540.961	540.947	540.938	540.831	540.733	540.674	---	---	23
24	---	---	---	540.990A	540.961	540.951	540.932	540.826	540.731	540.671	---	---	24
25	---	---	---	540.992	540.960	540.953	540.925	540.823	540.739	540.674	---	---	25
26	---	---	---	540.989	540.962	540.945	540.921	540.819	540.734	540.680	---	---	26
27	---	---	---	540.987	540.965	540.943	540.921	540.810	540.727	540.675	---	---	27
28	---	---	---	540.985	540.971	540.937	540.923	540.808	540.728	540.675	---	---	28
29	---		---	540.984	540.972	540.929	540.922	540.801	540.721	540.673A	---	---	29
30	---		---	540.983	540.970	540.930	540.924	540.813	540.721	540.673E	---	---	30
31	---		---		540.968		540.922	540.814		540.673E		---	31
MEAN	---	---	---	---	540.966	540.956	540.932	540.862	540.758	540.692	---	---	MEAN
MAX	---	---	---	---	540.982	540.976	540.946	540.923	540.812	540.720	---	---	MAX
MIN	---	---	---	---	540.950	540.929	540.920	540.801	540.721	540.671	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 32 40 N
LONG 110 20 00 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.010B	0.059	0.274	0.128	0.568	0.104	0.074	0.074	---	1
2	---	---	---	0.012B	0.050	0.293	0.122	0.484	0.132	0.076	0.074	---	2
3	---	---	---	0.015B	0.042	0.261	0.116	0.418	0.135	0.073B	0.071	---	3
4	---	---	---	0.017B	0.040	0.234	0.114	0.374	0.117	0.070	0.065B	---	4
5	---	---	---	0.020B	0.038	0.214	0.111	0.334	0.119	0.071B	---	---	5
6	---	---	---	0.022B	0.040	0.206	0.110	0.290	0.110	0.073	---	---	6
7	---	---	---	0.025B	0.052	0.192	0.162	0.257	0.102	0.075	---	---	7
8	---	---	---	0.027B	0.085	0.181	0.138	0.235	0.098	0.078	---	---	8
9	---	---	---	0.029B	0.183	0.178	0.118	0.217	0.095	0.078	---	---	9
10	---	---	---	0.032B	0.284	0.194	0.114	0.197	0.090	0.077	---	---	10
11	---	---	---	0.034B	0.272	0.282	0.110	0.181	0.087	0.076	---	---	11
12	---	---	---	0.037B	0.259	0.295	0.105	0.175	0.085	0.074	---	---	12
13	---	---	---	0.039B	0.197	0.466	0.105	0.165	0.082	0.072	---	---	13
14	---	---	---	0.042B	0.240	0.400	0.249	0.156	0.079	0.073	---	---	14
15	---	---	---	0.045B	0.515	0.354	0.327	0.148	0.078	0.074	---	---	15
16	---	---	---	0.048B	0.338	0.319	0.223	0.141	0.075	0.074	---	---	16
17	---	---	---	0.051B	0.268	0.291	0.184	0.137	0.072	0.073	---	---	17
18	---	---	---	0.053B	0.234	0.276	0.166	0.130	0.070	0.071	---	---	18
19	---	---	---	0.056B	0.202	0.242	0.154	0.126	0.083	0.070	---	---	19
20	---	---	---	0.059B	0.205	0.242	0.143	0.122	0.087	0.067	---	---	20
21	---	---	---	0.062B	0.227	0.231	0.250	0.121	0.081	0.066B	---	---	21
22	---	---	---	0.065B	0.310	0.207	0.328	0.114	0.089	0.065B	---	---	22
23	---	---	---	0.068B	0.303	0.189	0.452	0.108	0.087	0.064	---	---	23
24	---	---	---	0.068B	0.248	0.174	0.634	0.103	0.089	0.070	---	---	24
25	---	---	---	0.069B	0.233	0.164	0.530	0.100	0.088	0.076	---	---	25
26	---	---	---	0.065B	0.226	0.153	0.434	0.098	0.086	0.072	---	---	26
27	---	---	---	0.056B	0.204	0.172	0.371	0.098	0.083	0.069	---	---	27
28	---	---	---	0.051	0.191	0.158	0.364	0.092	0.080	0.067	---	---	28
29	---		---	0.051	0.177	0.142	0.448	0.103	0.077	0.066	---	---	29
30	---		---	0.051	0.176	0.134	0.755	0.122	0.075	0.066B	---	---	30
31	---		---		0.232		0.609	0.105		0.067		---	31
TOTAL	---	---	---	1.279	6.130	7.118	8.174	6.019	2.735	2.217	---	---	TOTAL
MEAN	---	---	---	0.043	0.198	0.237	0.264	0.194	0.091	0.072	---	---	MEAN
MAX	---	---	---	0.069	0.515	0.466	0.755	0.568	0.135	0.078	---	---	MAX
MIN	---	---	---	0.010	0.038	0.134	0.105	0.092	0.070	0.064	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.157
MAXIMUM DAILY, 0.755 ON JUL 30
MINIMUM DAILY, 0.010B ON APR 1
MAXIMUM INSTANTANEOUS,
0.868 AT 07:10 MST ON JUL 30

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 10 N
LONG 117 13 55 W

DRAINAGE AREA, 17.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	706
FEB	---	AUG	520
MAR	---	SEP	236
APR	111	OCT	192
MAY	530	NOV	---
JUN	615	DEC	---

TOTAL DISCHARGE, 2 910 dam³

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.024B	16.1	0.517	1.14	0	0.001	0	---	---	1
2	---	---	0 B	0.058B	14.4	0.455	0.965	0	0.001	0	---	---	2
3	---	---	0 B	0.073B	13.4	0.357	0.708	0	0	0	---	---	3
4	---	---	0 B	0.061B	12.3	0.339A	0.517	0	0	0	---	---	4
5	---	---	0 B	0.095B	11.7	0.270E	0.337	0	0	0	---	---	5
6	---	---	0 B	0.301B	10.9	0.250E	0.174	0	0	0	---	---	6
7	---	---	0 B	0.500B	9.98	0.215E	0.107	0	0	0	---	---	7
8	---	---	0 B	0.574B	8.91	0.190E	0.068	0	0	0	---	---	8
9	---	---	0.001B	0.627B	7.80	0.175E	0.035	0	0	0	---	---	9
10	---	---	0.001B	0.579B	7.08	0.185E	0.010	0	0	0.002	---	---	10
11	---	---	0.001B	0.476B	5.98	0.195E	0.006	0	0	0.002	---	---	11
12	---	---	0.001B	0.470B	4.94	0.200E	0.001	0	0	0.002	---	---	12
13	---	---	0.003B	0.460B	4.08	0.195E	0.002	0	0	0.001	---	---	13
14	---	---	0.005B	0.408B	3.45	0.175E	0	0	0	0.001	---	---	14
15	---	---	0.003B	0.356B	2.95	0.150E	0	0	0	0.001	---	---	15
16	---	---	0.001B	0.382B	2.59	0.195E	0	0	0	0	---	---	16
17	---	---	0.001B	0.408B	2.26	0.336A	0	0	0	0	---	---	17
18	---	---	0.001B	0.432B	1.85	0.859	0	0	0	0	---	---	18
19	---	---	0.001B	1.13 B	1.54	1.77	0	0	0	0	---	---	19
20	---	---	0 B	5.81 B	1.34	2.26	0	0	0	0	---	---	20
21	---	---	0 B	13.7 B	1.14	2.74	0	0	0	0	---	---	21
22	---	---	0 B	19.1	1.08	2.96	0	0	0	0	---	---	22
23	---	---	0 B	21.4 A	0.987	3.25	0	0	0	0	---	---	23
24	---	---	0.001B	38.0 E	0.933	2.95	0	0	0	0.002	---	---	24
25	---	---	0.001B	49.8 A	0.874	2.58	0	0	0	0.002	---	---	25
26	---	---	0.007B	44.3 E	0.795	2.30	0	0	0	0.002A	---	---	26
27	---	---	0.012B	31.0 A	0.766	1.94	0.001	0	0	0.001E	---	---	27
28	---	---	0.018B	27.6	0.699	1.62	0.003	0	0	0.001E	---	---	28
29	---		0.024B	22.3 A	0.634	1.47	0.002	0	0	0.001E	---	---	29
30	---		0.058B	18.6	0.572	1.29	0.002	0	0	0.001E	---	---	30
31	---		0.017B		0.553		0.001	0		0.001E		---	31
TOTAL	---	---	0.157	299.024	152.583	32.388	4.079	0	0.002	0.020	---	---	TOTAL
MEAN	---	---	0.005	9.97	4.92	1.08	0.132	0	0	0.001	---	---	MEAN
MAX	---	---	0.058	49.8	16.1	3.25	1.14	0	0.001	0.002	---	---	MAX
MIN	---	---	0	0.024	0.553	0.150	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.99
MAXIMUM DAILY, 49.8A ON APR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
54.3 AT 23:30 MST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 27 00 N
LONG 119 07 10 W
DRAINAGE AREA, 754 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	352
FEB	---	AUG	0
MAR	13.6	SEP	0.17
APR	25 800	OCT	1.73
MAY	13 200	NOV	---
JUN	2 800	DEC	---

TOTAL DISCHARGE, 42 200 dam³

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.055	0.761	1.53	1.75	1.80	1.19	0.238	---	1
2	---	---	---	---	0.058	0.781	1.64	1.73	1.77	1.17	0.258	---	2
3	---	---	---	---	0.055	0.836	1.58	1.81	1.80	1.15	0.221A	---	3
4	---	---	---	---	0.057	0.978	1.60	1.89	1.85	1.16	---	---	4
5	---	---	---	---	0.300	1.05	1.63	1.93	1.80	1.20	---	---	5
6	---	---	---	---	0.317	1.17	1.68	1.89	1.73	1.24	---	---	6
7	---	---	---	---	0.213	1.26	1.66	1.92	1.74	1.15	---	---	7
8	---	---	---	---	0.265	1.31	1.71	1.89	1.75	1.17	---	---	8
9	---	---	---	---	0.205	1.27	1.75	1.94	1.69	1.20	---	---	9
10	---	---	---	---	0.173	1.40	1.72	1.91	1.67	1.13	---	---	10
11	---	---	---	---	0.158	1.47	1.65	1.86	1.69	1.15	---	---	11
12	---	---	---	---	0.257	1.64	1.67	1.81	1.67	1.16	---	---	12
13	---	---	---	---	0.406	1.85	1.76	1.80	1.68	1.17	---	---	13
14	---	---	---	---	0.464	2.07	1.99	1.83	1.70	1.18	---	---	14
15	---	---	---	---	0.535	1.96	1.99	1.95	1.74	1.11	---	---	15
16	---	---	---	---	0.952	1.77	2.03	1.96	1.58	1.05	---	---	16
17	---	---	---	---	1.12	1.62	1.85	2.02	1.66	1.02	---	---	17
18	---	---	---	---	1.18	1.35	1.65	1.99	1.66	1.09	---	---	18
19	---	---	---	---	0.911	1.25	1.56	1.98	1.63	1.20	---	---	19
20	---	---	---	---	0.784	1.22	1.60	2.01	1.63	1.20	---	---	20
21	---	---	---	---	0.781	1.31	1.51	1.94	1.74	1.08	---	---	21
22	---	---	---	0.053A	0.746	1.36	1.60	1.96	1.62	0.987	---	---	22
23	---	---	---	0.058	0.739	1.30	1.67	2.01	1.60	0.742	---	---	23
24	---	---	---	0.056	0.743	1.34	1.73	1.99	1.59	0.475	---	---	24
25	---	---	---	0.066	0.707	1.28	1.79	2.00	1.55	0.414	---	---	25
26	---	---	---	0.067	0.525	1.56	1.82	1.99	1.56	0.401	---	---	26
27	---	---	---	0.063	0.616	1.64	1.81	1.94	1.51	0.175	---	---	27
28	---	---	---	0.077	0.684	1.61	1.70	1.92	1.46	0.112	---	---	28
29	---		---	0.067	0.820	1.53	1.74	1.89	1.38	0.313	---	---	29
30	---		---	0.060	0.778	1.51	1.67	1.86	1.27	0.560	---	---	30
31	---		---		0.786		1.76	1.87		0.295		---	31
TOTAL	---	---	---	---	16.390	41.456	53.05	59.26	49.52	28.644	---	---	TOTAL
MEAN	---	---	---	---	0.529	1.38	1.71	1.91	1.65	0.924	---	---	MEAN
MAX	---	---	---	---	1.18	2.07	2.03	2.02	1.85	1.24	---	---	MAX
MIN	---	---	---	---	0.055	0.761	1.51	1.75	1.27	0.112	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 2.07 ON JUN 14
MINIMUM DAILY, 0.055 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 18 N
LONG 112 05 00 W

A - MANUAL GAUGE

REGULATED

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 580
FEB	---	AUG	5 120
MAR	---	SEP	4 280
APR	---	OCT	2 470
MAY	1 420	NOV	---
JUN	3 580	DEC	---

TOTAL DISCHARGE, 21 500 dam³

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.24 B	0.962	12.1	4.11	27.6	3.17	1.45	---	---	1
2	---	---	---	2.87 B	0.869	13.4	7.15	20.9	3.22	1.40	---	---	2
3	---	---	---	2.49 B	1.07	10.4	5.45	17.2	3.08	1.35	---	---	3
4	---	---	---	2.25 B	0.983	9.05	4.45	20.9	2.98	1.31	---	---	4
5	---	---	---	1.94 B	0.950	7.60	3.87	20.3	3.13	1.32	---	---	5
6	---	---	---	1.72 B	1.25	6.62	3.59	17.3	3.24	1.28	---	---	6
7	---	---	---	1.42 B	1.60	5.98	3.84	13.8	3.02	1.27	---	---	7
8	---	---	---	1.23 B	2.04	5.53	4.72	12.5	2.72	1.24	---	---	8
9	---	---	---	1.05 B	3.84	5.63	4.59	10.9	2.52	1.22	---	---	9
10	---	---	---	0.981B	8.23	5.62	3.82	9.61	2.33	1.17	---	---	10
11	---	---	---	0.950B	10.1	5.65	3.47	8.72	2.10	1.29	---	---	11
12	---	---	---	0.954B	10.1	5.54	3.24	7.96	1.95	1.33	---	---	12
13	---	---	---	0.934B	9.65	5.51	3.05	7.39	1.81	1.34	---	---	13
14	---	---	---	1.05 B	9.33	7.37	5.20	6.93	1.69	1.38	---	---	14
15	---	---	---	1.15	13.8	7.63	21.2	6.51	1.66	1.31	---	---	15
16	---	---	---	0.939	18.6	6.57	16.2	6.40	1.59	1.36	---	---	16
17	---	---	---	1.13	14.7	5.95	12.0	6.01	1.50	1.36	---	---	17
18	---	---	---	1.27	16.4	5.70	9.49	6.03	1.45	1.34	---	---	18
19	---	---	---	1.09	18.8	5.40	7.99	5.55	1.46	1.25	---	---	19
20	---	---	---	1.23	19.4	4.83	8.53	5.08	2.08	1.20	---	---	20
21	---	---	---	1.36	18.3	4.81	8.19	4.72	2.45	1.18E	---	---	21
22	---	---	---	1.38	27.8	4.48	9.75	4.51	2.44	---	---	---	22
23	---	---	---	1.32	21.0	4.15	12.4	4.24	2.35	---	---	---	23
24	---	---	---	1.46	17.9	3.90	29.4	3.93	2.18	---	---	---	24
25	---	---	---	1.69	16.6	3.56	29.5	3.71	1.92	---	---	---	25
26	---	---	---	1.67	14.2	3.48	21.3	3.39	1.84	---	---	---	26
27	---	---	---	1.46	11.6	4.09	16.2	3.18	1.74	---	---	---	27
28	---	---	---	1.30	9.87	4.22	13.7	3.00	1.70	---	---	---	28
29	---		---	1.12	8.73	3.85	13.5	2.90	1.59	---	---	---	29
30	---		---	0.978	7.77	3.38	30.9	2.98	1.49	---	---	---	30
31	---		4.67B		7.43		44.9	3.20		---		---	31
TOTAL	---	---	---	43.626	323.974	182.00	365.70	277.35	66.40	---	---	---	TOTAL
MEAN	---	---	---	1.45	10.5	6.07	11.8	8.95	2.21	---	---	---	MEAN
MAX	---	---	---	3.24	27.8	13.4	44.9	27.6	3.24	---	---	---	MAX
MIN	---	---	---	0.934	0.950	3.38	3.05	2.90	1.45	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 44.9 ON JUL 31

MAXIMUM INSTANTANEOUS,
54.4 AT 06:30 MDT ON JUL 31

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 10 N
LONG 114 39 20 W
DRAINAGE AREA, 479 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	31 600
FEB	---	AUG	24 000
MAR	---	SEP	5 740
APR	3 770	OCT	---
MAY	28 000	NOV	---
JUN	15 700	DEC	---

FAWCETT LAKE NEAR SMITH - STATION NO. 07BK008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	2.005	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	1.767	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	1.694	---	---	27
28	---	---	---	2.068	1.978	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	1.707	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 609.600 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 18 20 N
LONG 113 51 20 W

REGULATED

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.80B	8.23B	10.6B	10.7B	22.2E	20.2	20.2	17.5	9.72	9.76	10.4B	10.7 B	1
2	8.81B	8.20B	10.8B	10.8B	22.6E	19.2	18.5	16.8	9.80	9.91	10.8B	10.8 B	2
3	8.82B	8.16B	10.9B	11.0B	23.0E	18.6	17.0	16.3	9.49	9.87	11.2B	10.9 B	3
4	8.83B	8.13B	11.0B	11.2B	23.3E	18.7	15.7	15.7	9.21	10.0	11.4B	10.9 B	4
5	8.84B	8.10B	11.2B	11.3B	23.7E	19.4	14.5	15.9	9.32	10.0	11.6B	10.8 B	5
6	8.85B	8.08B	11.3B	11.5B	24.0E	20.2	13.8	15.6	9.49	9.88	11.7B	10.8 B	6
7	8.87B	8.06B	11.4B	11.8B	24.2E	22.4	13.2	15.0	9.28	9.41	11.7B	10.7 B	7
8	8.88B	8.04B	11.5B	12.1B	24.3E	25.3	17.4E	14.7	9.14	9.70	11.8B	10.6 B	8
9	8.90B	8.02B	11.6B	12.3B	24.5E	28.1	31.9E	14.4	8.73	10.1	11.8B	10.3 B	9
10	8.92B	8.00B	11.6B	12.6B	24.6E	30.7	48.8E	14.4	9.04	10.6	11.9B	10.1 B	10
11	8.94B	8.08B	11.6B	12.9B	24.8E	32.5	61.0A	14.6	8.95	10.8	11.9B	9.80B	11
12	8.95B	8.16B	11.6B	13.1B	24.9E	33.3	64.3A	13.3	8.67	11.4	11.8B	9.50B	12
13	8.92B	8.24B	11.6B	13.4B	25.0E	32.2	65.5E	12.3	8.85	11.6	11.7B	9.30B	13
14	8.88B	8.32B	11.5B	13.7B	25.1E	30.8	66.4E	11.8	8.91	12.2	11.6B	9.00B	14
15	8.85B	8.40B	11.5B	14.2B	25.2E	29.2	67.5A	11.2	8.51	13.0	11.4B	8.80B	15
16	8.81B	8.54B	11.5B	14.6B	25.3E	28.5	67.0	11.0	8.23	13.8	11.2B	8.60B	16
17	8.78B	8.69B	11.4B	15.0B	25.4E	26.5	63.3	10.7	8.23	13.8	11.0B	8.50B	17
18	8.74B	8.83B	11.3B	15.3B	25.3E	25.0	58.6	10.4	7.98	13.8	10.8B	8.40B	18
19	8.70B	8.96B	11.2B	15.6B	25.2E	24.7	52.6	9.61	8.00	14.6	10.6B	8.30B	19
20	8.67B	9.10B	11.1B	16.0B	25.1E	23.3	48.2	9.73	8.02	14.6	10.4B	8.30B	20
21	8.66B	9.24B	11.0B	16.4B	25.0E	22.6	43.6	9.39	8.43	12.9	10.2B	8.40B	21
22	8.64B	9.38B	10.9B	17.0B	24.9E	22.4	41.0	9.19	8.69	9.83	10.1B	8.40B	22
23	8.62B	9.52B	10.8B	17.6B	24.8E	23.4	32.8	9.73	8.30	6.55	10.1B	8.50B	23
24	8.60B	9.66B	10.7B	18.2B	24.7E	24.4	29.1	9.80	8.79	5.33	10.0B	8.50B	24
25	8.60B	9.80B	10.6B	18.7B	24.6E	24.7	26.6	10.2	8.46	4.24	10.0B	8.40B	25
26	8.55B	9.93B	10.5B	19.3B	24.4E	25.1	25.5	10.5	8.70	4.62	10.1B	8.30B	26
27	8.50B	10.1 B	10.5B	19.8B	24.2A	24.8	23.9	10.4	9.32	6.00B	10.2B	8.20B	27
28	8.45B	10.2 B	10.5B	20.3B	23.5	23.2	22.6	10.2	9.24	7.97B	10.3B	8.10B	28
29	8.40B		10.5B	20.9B	22.3	21.9	21.4	10.4	9.27	9.20B	10.4B	7.90B	29
30	8.35B		10.5B	21.5B	21.6	21.2	20.0	10.1	9.27	9.70B	10.6B	7.80B	30
31	8.30B		10.6B		21.1		18.6	10.0		10.1 B		7.60B	31
TOTAL	270.43	244.17	383.3	448.8	748.8	742.5	1 130.5	380.85	266.04	315.27	328.7	285.20	TOTAL
MEAN	8.72	8.72	11.1	15.0	24.2	24.8	36.5	12.3	8.87	10.2	11.0	9.20	MEAN
MAX	8.95	10.2	11.6	21.5	25.4	33.3	67.5	17.5	9.80	14.6	11.9	10.9	MAX
MIN	8.30	8.00	10.5	10.7	21.1	18.6	13.2	9.19	7.98	4.24	10.0	7.60	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.1
MAXIMUM DAILY, 67.5A ON JUL 15
MINIMUM DAILY, 4.24 ON OCT 25
MAXIMUM INSTANTANEOUS,
67.8 AT 00:05 MST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 38 30 N
LONG 111 10 30 W
DRAINAGE AREA, 6 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	23 400	JUL	97 700
FEB	21 100	AUG	32 900
MAR	29 700	SEP	23 000
APR	38 800	OCT	27 200
MAY	64 700	NOV	28 400
JUN	64 200	DEC	24 600

TOTAL DISCHARGE, 476 000 dam³

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.113b	1.10 B	0.148	5.37	1.91	2.24	0.185E	0.242	0.229E	---	1
2	---	---	0.119B	0.878B	0.139	5.55	2.34	1.97	0.175	0.229	0.211	---	2
3	---	---	0.125B	0.719B	0.120	3.58	1.75	1.44	0.148	0.229	---	---	3
4	---	---	0.127B	0.211	0.202	2.63	1.33 E	1.30 E	0.133	0.220	---	---	4
5	---	---	0.133B	0.202	0.549	2.18	1.01	1.20 E	0.114	0.220	---	---	5
6	---	---	0.142B	0.202	1.51	1.97	0.793	1.10 E	0.110E	0.220	---	---	6
7	---	---	0.139B	0.193	2.38	1.67	1.34	0.971E	0.105E	0.220	---	---	7
8	---	---	0.136B	0.193	5.67	1.46	1.03	0.889E	0.099E	0.220	---	---	8
9	---	---	0.133B	0.254	6.51	1.44	0.878	0.850E	0.095	0.211	---	---	9
10	---	---	0.130B	0.229	8.72	1.34	0.835	0.759E	0.089	0.202	---	---	10
11	---	---	0.125B	0.211	7.28	1.54	0.750	0.691E	0.072	0.211	---	---	11
12	---	---	0.122B	0.184	5.31	1.75	0.708	0.640E	0.065	0.220	---	---	12
13	---	---	0.170B	0.175	4.07	1.97	0.648	0.589E	0.061	0.242	---	---	13
14	---	---	0.255B	0.175	2.94	17.0	0.569	0.541E	0.057	0.266	---	---	14
15	---	---	0.368B	0.166	2.79	8.89	1.59	0.501E	0.053	0.266	---	---	15
16	---	---	0.513B	0.202	5.19	5.49	1.84	0.459E	0.041	0.254	---	---	16
17	---	---	0.496B	0.229	4.67	4.62	1.34	0.430E	0.035	0.229	---	---	17
18	---	---	0.481B	0.184	7.15	3.60	1.17	0.394E	0.035	0.229	---	---	18
19	---	---	0.479B	0.266	7.99	2.83	1.01	0.371E	0.033	0.242	---	---	19
20	---	---	0.411B	0.290	9.25	2.34	0.899	0.340E	0.031	0.229	---	---	20
21	---	---	0.354B	0.254	10.1	2.06	0.814	0.320E	0.083	0.220	---	---	21
22	---	---	0.297B	0.327	7.41	1.70	1.22	0.300E	0.133	0.220	---	---	22
23	---	---	0.240B	0.367	5.84	1.59	1.51	0.280E	0.157	0.211	---	---	23
24	---	---	0.283B	0.327	5.38 E	1.36	1.86	0.258E	0.202	0.202	---	---	24
25	---	---	0.354B	0.302	5.07	1.32	3.22	0.250E	0.266	0.242	---	---	25
26	---	0.099B	0.467B	0.254	4.73	1.27	2.83	0.240E	0.302	0.229	---	---	26
27	---	0.102B	0.595B	0.229	3.91	1.51	2.59	0.230E	0.290	0.229	---	---	27
28	---	0.108B	0.736B	0.211	3.40	1.67	2.67	0.220E	0.290	0.220	---	---	28
29	---		0.934B	0.184	2.55	1.62	2.71	0.210E	0.254	0.220	---	---	29
30	---		1.13 B	0.166	2.34	1.34	2.83	0.205E	0.242	0.229	---	---	30
31	---		1.39 B		3.04		2.45	0.195E		0.254		---	31
TOTAL	---	---	11.497	8.884	136.358	92.58	48.044	20.383	3.955	7.077	---	---	TOTAL
MEAN	---	---	0.371	0.296	4.40	3.09	1.55	0.658	0.132	0.228	---	---	MEAN
MAX	---	---	1.39	1.10	10.1	17.0	3.22	2.24	0.302	0.266	---	---	MAX
MIN	---	---	0.113	0.166	0.120	1.27	0.569	0.195	0.031	0.202	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.34
MAXIMUM DAILY, 17.0 ON JUN 14
MINIMUM DAILY, 0.031 ON SEP 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 53 15 N
LONG 114 19 30 W
DRAINAGE AREA, 259 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 150
FEB	---	AUG	1 760
MAR	993	SEP	342
APR	768	OCT	611
MAY	11 800	NOV	---
JUN	8 009	DEC	---

TOTAL DISCHARGE, 28 400 dam³

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	2.52	0.286	0.083	0.285	0.295	0.005	0.001	0.012B	---	1
2	---	---	0.001B	2.11	0.264	0.082	0.321	0.323	0.004	0.001	0.011B	---	2
3	---	---	0.002B	2.08	0.256	0.078	0.277	0.357	0.003	0.001	0.011B	---	3
4	---	---	0.003B	1.94	0.263	0.126	0.237	0.322	0.004	0.001	0.010B	---	4
5	---	---	0.003B	1.93	0.226	0.092	0.185	0.264	0.004	0.001	0.010B	---	5
6	---	---	0.003B	1.96	0.219	0.083	0.152	0.335	0.004	0.001	0.009B	---	6
7	---	---	0.002B	1.82	0.218	0.063	0.181	0.187	0.004	0.001	0.009B	---	7
8	---	---	0.002B	1.54	0.201	0.073	0.872	0.171	0.003	0.005	0.008B	---	8
9	---	---	0.002B	1.27	0.192	0.058	1.16	0.131	0.003	0.006	0.008B	---	9
10	---	---	0.003B	1.09	0.185	0.030	0.879	0.086	0.002	0.005	---	---	10
11	---	---	0.005B	0.889	0.172	0.015	0.637	0.083	0.002	0.004	---	---	11
12	---	---	0.005B	0.983	0.152	0.013	0.583	0.073	0.001	0.016	---	---	12
13	---	---	0.003B	0.712	0.141	0.011	0.578	0.055	0.001	0.045	---	---	13
14	---	---	0.008B	0.576	0.144	0.004	0.449	0.028	0.001	0.038	---	---	14
15	---	---	0.015B	0.521	0.154	0.001E	0.582	0.026	0.001	0.029	---	---	15
16	---	---	0.030B	0.543	0.112	0.003	0.773	0.014	0	0.032	---	---	16
17	---	---	0.130B	0.502	0.099	0.131	0.690	0.007	0	0.040	---	---	17
18	---	---	0.170B	0.483	0.100	0.188	0.549	0.005	0	0.045	---	---	18
19	---	---	0.155B	0.471	0.087	0.222	0.437	0.004	0	0.050	---	---	19
20	---	---	0.137B	0.491	0.104	0.374	0.498	0.003	0.001	0.054	---	---	20
21	---	---	0.120B	0.483	0.113	0.530	0.631	0.004	0.001	0.044	---	---	21
22	---	---	0.100B	0.520	0.186	0.987	1.22	0.003	0.001	0.040	---	---	22
23	---	---	0.097B	0.486	0.128	1.15	0.876	0.003	0.001	0.039	---	---	23
24	---	---	0.106B	0.482	0.099	0.831	0.740	0.003	0.002	0.039	---	---	24
25	---	---	0.400B	0.566	0.087	0.585	0.621	0.003	0.001	0.043	---	---	25
26	---	---	1.78 B	0.520	0.093	0.465	0.473	0.003	0.002	0.035B	---	---	26
27	---	---	1.95 B	0.428	0.086	0.422	0.388	0.003	0.002	0.025B	---	---	27
28	---	---	2.20 B	0.353	0.089	0.339	0.336	0.003	0.001	0.020B	---	---	28
29	---		2.28 B	0.319	0.081	0.307	0.300	0.003	0.001	0.018B	---	---	29
30	---		2.40 B	0.312	0.076	0.262	0.257	0.008	0.001	0.015B	---	---	30
31	---		2.64		0.069		0.223	0.006		0.012B		---	31
TOTAL	---	---	18.753	28.900	4.682	7.608	16.390	2.811	0.056	0.706	---	---	TOTAL
MEAN	---	---	0.476	0.963	0.151	0.254	0.529	0.091	0.002	0.023	---	---	MEAN
MAX	---	---	2.64	2.52	0.286	1.15	1.22	0.357	0.005	0.054	---	---	MAX
MIN	---	---	0.001	0.312	0.069	0.001	0.152	0.003	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.286
MAXIMUM DAILY, 2.52 ON APR 1
MINIMUM DAILY, 0 ON SEP 16
MAXIMUM INSTANTANEOUS,
3.09 AT 22:05 MST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 15 N
LONG 112 54 20 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 420
FEB	---	AUG	243
MAR	1 270	SEP	4.8%
APR	2 500	OCT	61.0
MAY	405	NOV	---
JUN	657	DEC	---

TOTAL DISCHARGE, 5 290 dam³

REMARKS - THE MAXIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.864B	2.58B	21.3	18.3	5.61	11.8	0.827	1.62	---	---	1
2	---	---	0.835B	4.64B	21.1	25.8	4.64	10.8	0.917	1.67	---	---	2
3	---	---	0.799B	3.31B	21.1	21.1	4.64	10.3	0.951	1.62	---	---	3
4	---	---	0.787B	4.30B	16.2	22.6	3.74	6.79	1.09	1.57	---	---	4
5	---	---	0.807B	6.25B	14.4	19.1	3.31	6.79	1.09	1.30	---	---	5
6	---	---	0.850B	5.73B	12.6	17.4	3.21	6.38	0.883	1.30	---	---	6
7	---	---	0.906B	5.97B	12.0	17.0	3.85	6.38	0.883	1.19	---	---	7
8	---	---	0.977B	5.61B	13.0	16.0	4.30	4.30	0.883	1.40	---	---	8
9	---	---	1.12 B	4.53B	13.0	12.0	3.85	3.74	0.917	1.67	---	---	9
10	---	---	1.32 B	5.00B	13.2	10.5	3.85	3.00	0.827	1.81	---	---	10
11	---	---	1.36 B	5.37B	12.4	11.2	3.31	2.58	0.782	1.81	---	---	11
12	---	---	1.42 B	5.61B	11.8	12.2	2.79	2.68	0.714	1.90	---	---	12
13	---	---	1.40 B	4.30B	10.8	13.0	2.15	2.32	0.714	1.90	---	---	13
14	---	---	1.27 B	3.62B	10.1	16.0	2.15	2.15	0.697E	1.90	---	---	14
15	---	---	1.16 B	3.62	8.74	15.2	3.00	1.67	0.680E	1.90	---	---	15
16	---	---	1.15 B	6.52	8.42	15.2	3.21	1.40	0.663E	1.81	---	---	16
17	---	---	1.12 B	3.85	8.11	15.4	3.62	1.40	0.646	1.81	---	---	17
18	---	---	1.12 B	5.24	7.20	18.7	3.10	1.40	0.646	1.81	---	---	18
19	---	---	1.08 B	8.42	7.20	17.9	2.89	1.05	0.646	1.81	---	---	19
20	---	---	1.08 B	9.42	7.33	15.8	2.68	1.05	0.759	1.67	---	---	20
21	---	---	1.04 B	11.2	7.06	16.4	3.62	1.02	0.951	1.62	---	---	21
22	---	---	1.04 B	13.8	7.20	13.0	15.6	0.917	1.09	1.46	---	---	22
23	---	---	1.08 B	16.8	7.96	11.6	36.0	0.917	1.19	1.57	---	---	23
24	---	---	1.13 B	16.2	8.42	10.1	31.7	0.850	1.67	1.30	---	---	24
25	---	---	1.35 B	22.6	8.42	8.89	25.8	0.850	1.67	1.46	---	---	25
26	---	---	1.40 B	26.8	8.11	8.11	18.9	0.827	1.90	1.57	---	---	26
27	---	---	2.32 B	19.6	7.33	7.65	14.0	0.804	1.90	1.51	---	---	27
28	---	---	1.98 B	18.9	7.33	7.65	10.8	0.782	1.90	1.30	---	---	28
29	---		1.98 B	17.0	7.33	7.33	10.1	0.714	1.90	1.30	---	---	29
30	---		2.15 B	18.5	7.06	6.25	9.77	0.668	1.67	1.20 B	---	---	30
31	---		2.32 B		7.33		12.6	0.668		0.917		---	31
TOTAL	---	---	39.215	285.29	333.55	427.38	258.79	96.997	32.856	48.677	---	---	TOTAL
MEAN	---	---	1.27	9.51	10.8	14.2	8.35	3.13	1.07	1.57	---	---	MEAN
MAX	---	---	2.32	26.8	21.3	25.8	36.0	11.8	1.90	1.90	---	---	MAX
MIN	---	---	0.787	2.58	7.06	6.25	2.15	0.668	0.646	0.917	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.21
MAXIMUM DAILY, 36.0 ON JUL 23
MINIMUM DAILY, 0.646 ON SEP 17

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 21 52 N
LONG 114 54 13 W
DRAINAGE AREA, 1 650 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 400
FEB	---	AUG	8 380
MAR	3 390	SEP	2 770
APR	24 600	OCT	4 210
MAY	28 800	NOV	---
JUN	36 900	DEC	---

TOTAL DISCHARGE, 131 000 dam³

GHOST LAKE NEAR COCHRANE - STATION NO. 05BE005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1191.40	1191.28	1191.34	1191.43	1186.43	1189.70	1190.12	1190.61	1190.88	1190.79	1191.13	1190.73	1
2	1191.34	1191.34	1191.37	1191.25	1186.49	1189.63	1190.21	1190.61	1190.82	1190.82	1191.07	1190.79	2
3	1191.31	1191.25	1191.34	1190.95	1186.62	1189.63	1190.34	1190.61	1190.88	1190.82	1191.07	1190.85	3
4	1191.40	1191.16	1191.34	1190.85	1186.68	1189.60	1190.46	1190.64	1190.91	1190.88	1191.01	1190.85	4
5	1191.46	1191.07	1191.37	1190.64	1186.83	1189.57	1190.64	1190.46	1190.82	1190.88	1191.04	1190.88	5
6	1191.55	1191.16	1191.37	1190.43	1186.92	1189.45	1190.67	1190.40	1190.73	1190.82	1191.01	1190.85	6
7	1191.62	1191.16	1191.37	1190.24	1187.01	1189.39	1190.64	1190.46	1190.70	1190.91	1191.01	1130.79	7
8	1191.68	1191.16	1191.40	1190.15	1187.17	1189.27	1190.52	1190.73	1190.67	1190.95	1191.01	1190.79	8
9	1191.59	1191.07	1191.43	1190.00	1187.20	1189.18	1190.37	1190.82	1190.70	1190.98	1190.98	1190.85	9
10	1191.46	1190.98	1191.46	1189.85	1187.23	1189.06	1190.21	1190.91	1190.76	1190.95	1190.98	1190.91	10
11	1191.34	1191.01	1191.43	1189.66	1187.29	1188.84	1190.12	1190.91	1190.79	1190.91	1190.98	1190.95	11
12	1191.25	1191.07	1191.40	1189.48	1187.41	1188.81	1189.97	1190.82	1190.95	1190.88	1190.91	1190.95	12
13	1191.28	1191.13	1191.43	1189.27	1187.50	1188.75	1190.03	1190.82	1190.91	1190.82	1190.95	1190.88	13
14	1191.28	1191.19	1191.40	1189.15	1187.56	1188.78	1190.15	1190.95	1190.82	1190.88	1190.98	1190.79	14
15	1191.28	1191.25	1191.43	1188.93	1187.74	1188.75	1190.61	1190.91	1190.76	1190.88	1191.01	1190.76	15
16	1191.25	1191.28	1191.40	1188.75	1187.78	1188.63	1190.82	1190.82	1190.79	1190.79	1190.98	1190.73	16
17	1191.25	1191.28	1191.43	1188.54	1187.74	1188.75	1190.73	1191.07	1190.91	1190.76	1190.98	1190.64	17
18	1191.28	1191.34	1191.46	1188.26	1187.74	1188.96	1190.64	1191.04	1191.10	1190.76	1190.98	1190.70	18
19	1191.34	1191.34	1191.52	1187.99	1187.78	1188.90	1190.61	1191.01	1191.10	1190.82	1190.95	1190.76	19
20	1191.40	1191.40	1191.43	1187.78	1187.71	1188.87	1190.58	1190.82	1191.04	1190.91	1190.95	1190.88	20
21	1191.46	1191.40	1191.46	1187.59	1187.78	1188.93	1190.52	1190.95	1191.04	1190.95	1190.98	1190.88	21
22	1191.43	1191.40	1191.46	1187.47	1188.17	1188.93	1190.64	1190.91	1191.07	1190.88	1191.01	1190.88	22
23	1191.40	1191.40	1191.46	1187.29	1188.78	1189.12	1190.70	1190.61	1190.98	1190.95	1190.95	1190.95	23
24	1191.37	1191.43	1191.43	1187.14	1189.48	1189.27	1190.70	1190.79	1190.91	1190.98	1190.91	1191.01	24
25	1191.34	1191.40	1191.43	1186.92	1189.85	1189.57	1190.70	1190.82	1190.85	1191.04	1190.88	1191.13	25
26	1191.16	1191.37	1191.59	1186.68	1189.85	1189.82	1190.64	1190.91	1190.79	1191.07	1190.88	1191.22	26
27	1191.16	1191.34	1191.59	1186.62	1190.00	1190.00	1190.64	1190.88	1190.76	1191.10	1190.88	1191.31	27
28	1191.16	1191.34	1191.59	1186.56	1189.97	1190.09	1190.64	1190.95	1190.70	1191.13	1190.79	1191.31	28
29	1191.16		1191.59	1186.53	1189.70	1189.88	1190.64	1190.88	1190.70	1191.10	1190.76	1191.28	29
30	1191.16		1191.55	1186.40	1189.48	1189.88	1190.70	1190.82	1190.76	1191.13	1190.76	1191.25	30
31	1191.19		1191.55		1189.48		1190.64	1190.73		1191.13		1191.25	31
MEAN	1191.35	1191.25	1191.45	1188.76	1187.98	1189.27	1190.50	1190.80	1190.85	1190.92	1190.96	1190.93	MEAN
MAX	1191.68	1191.43	1191.59	1191.43	1190.00	1190.09	1190.82	1191.07	1191.10	1191.13	1191.13	1191.31	MAX
MIN	1191.16	1190.98	1191.34	1186.40	1186.43	1188.63	1189.97	1190.40	1190.67	1190.76	1190.76	1190.64	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1190.42
MAXIMUM DAILY, 1191.68 ON JAN 8
MINIMUM DAILY, 1186.40 ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 114 43 00 W

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	13.9	5.49	8.61	1.59	0.850	0.595	0.142	1
2	0	0	0	0	0	13.6	5.64	6.68	1.56	0.396	0.566	0.142	2
3	0	0	0	0	0	10.5	5.44	5.49	1.44	0.283	0.566	0.142	3
4	0	0	0	0	0	7.62	5.61	4.76	1.39	0.793	0.566	0.113	4
5	0	0	0	0	0	6.48	5.21	4.28	1.33	0.793	0.566	0.113	5
6	0	0	0	0	0	6.48	4.70	3.77	1.27	0.793	0.566	0.113	6
7	0	0	0	0	0	5.44	4.42	3.40	1.22	0.765	0.566	0.085	7
8	0	0	0	0	0	4.50	3.99	3.51	1.16	0.765	0.566	0.085	8
9	0	0	0	0	0	4.28	3.57	2.94	1.16	0.736	0.538	0.057	9
10	0	0	0	0	0	3.96	3.37	2.66	1.13	0.736	0.538	0.057	10
11	0	0	0	0	0	3.51	3.06	2.49	1.10	0.708	0.538	0.028	11
12	0	0	0	0	0	3.17	2.97	2.44	1.10	0.708	0.538	0.028	12
13	0	0	0	0	0	3.48	2.92	2.46	1.05	0.680	0.510	0	13
14	0	0	0	0	0.057	3.77	8.89	2.27	1.05	0.680	0.510	0	14
15	0	0	0	0	0.566	4.84	15.4	2.10	0.991	0.680	0.481	0	15
16	0	0	0	0	0.453	5.24	12.1	2.01	0.991	0.680	0.481	0	16
17	0	0	0	0	0.396	4.64	8.89	2.66	0.963	0.651	0.453	0	17
18	0	0	0	0	0.991	3.71	7.53	3.14	0.963	0.651	0.453	0	18
19	0	0	0	0	2.72	3.26	6.34	2.49	0.963	0.651	0.453	0	19
20	0	0	0	0	5.01	3.11	5.49	2.21	0.934	0.651	0.453	0	20
21	0	0	0	0	12.3	3.17	5.61	2.04	0.906	0.623	0.425	0	21
22	0	0	0	0	18.2	2.83	6.40	1.87	0.934	0.623	0.425	0	22
23	0	0	0	0	19.3	2.66	9.32	1.73	0.906	0.623	0.396	0	23
24	0	0	0	0	22.4	2.58	10.9	1.61	0.906	0.651	0.340	0	24
25	0	0	0	0	22.1	2.75	8.67	1.53	0.906	0.623	0.255	0	25
26	0	0	0	0	27.2	3.82	6.65	1.44	0.878	0.651	0.227	0	26
27	0	0	0	0	16.5	4.19	5.66	1.42	0.878	0.623	0.227	0	27
28	0	0	0	0	10.1	3.06	5.18	1.33	0.850	0.623	0.198	0	28
29	0		0	0	8.69	2.97	5.75	1.36	0.850	0.623	0.170	0	29
30	0		0	0	9.49	3.57	13.5	1.64	0.850	0.623	0.142	0	30
31	0		0		9.88		12.5	1.64		0.595		0	31
TOTAL	0	0	0	0	186.353	147.09	211.17	87.98	32.219	20.531	13.308	1.105	TOTAL
MEAN	0	0	0	0	6.01	4.90	6.81	2.84	1.07	0.662	0.444	0.036	MEAN
MAX	0	0	0	0	27.2	13.9	15.4	8.61	1.59	0.850	0.595	0.142	MAX
MIN	0	0	0	0	0	2.58	2.92	1.33	0.850	0.283	0.142	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.92
MAXIMUM DAILY, 27.2 ON MAY 26
MINIMUM DAILY, 0 ON JAN 1

LOCATION - LAT 51 17 00 N
LONG 115 10 00 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	18 200
FEB	0	AUG	7 600
MAR	0	SEP	2 780
APR	0	OCT	1 770
MAY	16 100	NOV	1 150
JUN	12 700	DEC	95.5

TOTAL DISCHARGE, 60 400 dam³

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

REMARKS - RECORDS OBTAINED BY SUMMATION OF FLOWS OF "GHOST RIVER DIVERSION CANAL" AND "GHOST RIVER OVERFLOW" NEAR LAKE MINNEWANKA

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.481	0.538	20.5	8.98	14.2	2.58	1.39	1.02	---	1
2	---	---	---	0.481	0.538	20.1	9.26	11.6	2.52	1.39	0.991	---	2
3	---	---	---	0.481	0.538	16.5	8.86	9.66	2.38	1.33	0.991	---	3
4	---	---	---	0.481	0.566	12.7	9.34	7.62	2.29	1.30	0.991	---	4
5	---	---	---	0.453	0.566	11.1	8.21	6.31	2.21	1.30	0.991	---	5
6	---	---	---	0.453	0.538	11.0	7.14	5.55	2.12	1.30	0.963	---	6
7	---	---	---	0.453	0.566	8.30	6.71	5.07	2.07	1.27	0.963	---	7
8	---	---	---	0.453	0.595	6.34	6.14	5.21	1.98	1.27	0.963	---	8
9	---	---	---	0.453	0.623	6.12	5.66	4.45	1.95	1.27	0.934	---	9
10	---	---	---	0.453	0.651	5.69	5.38	3.99	1.90	1.25	0.906	---	10
11	---	---	---	0.453	0.680	5.15	4.96	3.77	1.87	1.22	0.906	---	11
12	---	---	---	0.453	0.680	4.70	4.84	3.71	1.84	1.25	0.906	---	12
13	---	---	---	0.453	0.736	5.10	4.76	3.74	1.78	1.22	0.906	---	13
14	---	---	---	0.453	0.878	5.44	14.5	3.48	1.76	1.22	0.906	---	14
15	---	---	---	0.453	1.44	6.99	22.2	3.28	1.70	1.19	0.878	---	15
16	---	---	---	0.481	1.27	8.16	18.3	3.17	1.67	1.19	0.878	---	16
17	---	---	---	0.481	1.22	6.88	14.6	3.91	1.64	1.16	0.850	---	17
18	---	---	---	0.481	2.10	5.61	12.8	4.67	1.61	1.16	0.850	---	18
19	---	---	---	0.481	4.45	5.04	11.0	3.79	1.61	1.16	0.850	---	19
20	---	---	---	0.481	8.27	4.79	9.40	3.45	1.59	1.16	0.821	---	20
21	---	---	---	0.481	19.3	4.87	9.66	3.23	1.56	1.13	0.821	---	21
22	---	---	---	0.481	25.6	4.36	11.0	3.00	1.53	1.10	0.821	---	22
23	---	---	---	0.481	26.8	4.11	15.1	2.80	1.50	1.10	0.821	---	23
24	---	---	---	0.510	30.2	3.96	17.0	2.66	1.47	1.10	0.821	---	24
25	---	---	---	0.510	29.9	4.22	14.3	2.55	1.47	1.08	0.793	---	25
26	---	---	---	0.510	35.0	5.69	11.6	2.44	1.44	1.10	0.793	---	26
27	---	---	---	0.510	23.6	6.17	10.0	2.38	1.44	1.08	0.765	---	27
28	---	---	---	0.481	16.3	4.70	9.17	2.27	1.42	1.08	0.765	---	28
29	---		---	0.481	14.4	4.56	10.2	2.24	1.42	1.05	0.736	---	29
30	---		---	0.481	15.4	5.38	20.0	2.66	1.39	1.05	0.736	---	30
31	---		---		15.9		18.8	2.63		1.02		---	31
TOTAL	---	---	---	14.238	279.843	224.23	339.87	139.49	53.71	36.89	26.336	---	TOTAL
MEAN	---	---	---	0.475	9.03	7.47	11.0	4.50	1.79	1.19	0.878	---	MEAN
MAX	---	---	---	0.510	35.0	20.5	22.2	14.2	2.58	1.39	1.02	---	MAX
MIN	---	---	---	0.453	0.538	3.96	4.76	2.24	1.39	1.02	0.736	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.57
MAXIMUM DAILY, 35.0 ON MAY 26
MINIMUM DAILY, 0.453 ON APR 5

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W
DRAINAGE AREA, 211 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	29 400
FEB	---	AUG	12 100
MAR	---	SEP	4 640
APR	1 230	OCT	3 190
MAY	24 200	NOV	2 280
JUN	19 400	DEC	---

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

NATURAL FLOW

TOTAL DISCHARGE, 96 400 dam³

REMARKS - RECORDS OBTAINED BY SUMMATION OF FLOWS OF GHOST RIVER DIVERSION CANAL AND GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN

GHOST RIVER NEAR COCHRANE - STATION NO. 05BG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.40B	2.01B	2.30B	2.35	2.55	41.8	10.8	28.6	9.86	7.41	5.63	4.25B	1
2	3.30B	2.02B	2.30B	2.25	2.92	28.6	10.9	22.2	9.69	7.39	5.66	4.10B	2
3	3.25B	2.03B	2.30B	2.20	2.57	22.7	9.41	20.7	9.67	7.33	5.67	4.00B	3
4	3.20B	2.04B	2.30B	2.16	2.59	16.6	8.86	21.3	9.65	7.16	5.56	3.90B	4
5	3.15B	2.05B	2.30B	2.18	2.73	13.5	8.40	19.7	9.43	7.04	5.46	3.80B	5
6	3.10B	2.03B	2.31B	2.27	2.88	12.3	8.22	17.6	9.10	7.06	5.49	3.70B	6
7	3.05B	2.01B	2.32B	2.19	3.17	11.2	9.38	17.7	9.01	7.07	5.46	3.60B	7
8	3.00B	1.99B	2.33B	2.16	3.55	10.5	11.0	20.1	8.81	6.99	5.36	3.50B	8
9	2.95B	1.97B	2.34B	2.20	4.36	10.2	9.30	16.5	8.59	6.91	5.36	3.40B	9
10	2.90B	1.95B	2.35B	2.21	6.12	10.6	8.85	15.0	8.50	6.98	5.22	3.35B	10
11	2.85B	2.10B	2.35B	2.20	6.32	9.74	8.45	14.0	8.36	6.95	5.32	3.30B	11
12	2.80B	2.22B	2.33B	2.22	6.53	8.82	8.17	13.6	8.17	6.91	5.32	3.20B	12
13	2.74B	2.22B	2.31B	2.24	6.14	10.5	8.18	13.5	8.23	6.75	5.06	3.10B	13
14	2.72B	2.23B	2.30B	2.31	6.95	14.3	17.2	12.9	8.28	6.69	5.01	3.00B	14
15	2.70B	2.24B	2.28B	2.43	10.6	12.3	21.3	12.7	8.13	6.64	5.00	2.90B	15
16	2.68B	2.25B	2.26B	2.51	8.90	11.4	17.3	12.3	7.96	6.50	4.79	2.87B	16
17	2.66B	2.27B	2.24B	2.58	8.91	10.1	14.0	14.7	7.92	6.37	4.55B	2.95B	17
18	2.64B	2.29B	2.22B	2.63	11.9	9.55	12.3	14.3	7.82	6.28	4.45B	3.00B	18
19	2.62B	2.30B	2.21B	2.69	13.3	8.81	11.8	12.9	8.06	6.24	4.35	3.05B	19
20	2.60B	2.28B	2.20B	2.78	15.6	8.15	12.0	12.0	9.16	6.17	4.64	3.10B	20
21	2.50B	2.26B	2.19B	2.80	22.6	7.82	13.3	11.5	8.42	5.90	4.48	3.07B	21
22	2.40B	2.24B	2.18B	2.75	35.4	7.65	20.0	11.3	8.16	5.96	4.59	3.04B	22
23	2.30B	2.22B	2.17B	2.82	37.1	7.50	23.8	10.9	8.09	5.98	4.26	3.02B	23
24	2.20B	2.20B	2.16B	2.95	42.0	7.29	28.0	10.6	7.89	6.01	4.26B	3.00B	24
25	2.10B	2.17B	2.15B	2.75	39.5	7.06	24.8	10.3	7.83	6.02	4.26B	2.98B	25
26	2.05B	2.15B	2.14A	2.50	41.3	7.12	19.4	10.0	7.82	5.98	4.26B	2.96B	26
27	1.89B	2.20B	2.21	2.40	27.1	7.88	16.4	9.77	7.74	5.97	4.26B	2.94B	27
28	1.92B	2.25B	2.23	2.37	19.5	7.98	15.2	9.57	7.68	5.86	4.25B	2.92B	28
29	1.95B		2.32	2.37	14.8	7.49	20.0	9.48	7.50	5.91	4.25B	2.91B	29
30	1.97B		2.43	2.35	14.6	7.29	40.6	10.5	7.44	5.75	4.25B	2.90B	30
31	2.00B		2.42		20.6		35.0	10.2		5.77		2.85B	31
TOTAL	81.59	60.19	70.45	72.82	443.09	356.75	482.32	446.22	252.97	201.95	146.48	100.66	TOTAL
MEAN	2.63	2.15	2.27	2.43	14.3	11.9	15.6	14.4	8.43	6.51	4.88	3.25	MEAN
MAX	3.40	2.30	2.43	2.95	42.0	41.8	40.6	28.6	9.86	7.41	5.67	4.25	MAX
MIN	1.89	1.95	2.14	2.16	2.55	7.06	8.17	9.48	7.44	5.75	4.25	2.85	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.44
MAXIMUM DAILY, 42.0 ON MAY 24
MINIMUM DAILY, 1.89B ON JAN 27
MAXIMUM INSTANTANEOUS,
55.3 AT 15:00 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 15 40 N
LONG 114 45 50 W
DRAINAGE AREA, 909 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 050	JUL	41 700
FEB	5 200	AUG	38 600
MAR	6 090	SEP	21 900
APR	6 290	OCT	17 400
MAY	38 300	NOV	12 700
JUN	30 800	DEC	8 700

TOTAL DISCHARGE, 235 000 dam³

GLENMORE RESERVOIR AT CALGARY - STATION NO. 05BJ008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1063.895	1063.594	1062.993	1062.953	1062.560	1062.356	1064.215	1065.063	1065.642	1065.648	1065.627	1065.425	1
2	1063.898	1063.584	1062.969	1062.947	1062.563	1062.527	1064.121	1065.053	1065.620	1065.651	1065.617	1065.370	2
3	1063.895	1063.575	1062.963	1062.947	1062.554	1062.618	1064.118	1065.090	1065.569	1065.657	1065.620	1065.297	3
4	1063.895	1063.563	1062.956	1062.941	1062.560	1062.609	1064.170	1065.108	1065.532	1065.651	1065.636	1065.212	4
5	1063.892	1063.539	1062.953	1062.926	1062.594	1062.682	1064.258	1065.090	1065.538	1065.636	1065.639	1065.139	5
6	1063.883	1063.514	1062.938	1062.923	1062.764	1062.710	1064.185	1065.090	1065.538	1065.617	1065.645	1065.084	6
7	1063.880	1063.469	1062.932	1062.911	1062.996	1062.825	1064.127	1065.133	1065.508	1065.605	1065.651	1064.983	7
8	1063.880	1063.411	1062.932	1062.892	1063.203	1063.118	1064.032	1065.282	1065.465	1065.605	1065.654	1064.904	8
9	1063.883	1063.365	1062.914	1062.871	1063.380	1063.523	1064.081	1065.377	1065.380	1065.590	1065.651	1064.813	9
10	1063.880	1063.286	1062.905	1062.850	1063.575	1063.880	1064.121	1065.377	1065.352	1065.572	1065.648	1064.773	10
11	1063.868	1063.203	1062.902	1062.828	1063.773	1063.910	1064.136	1065.337	1065.374	1065.556	1065.651	1064.733	11
12	1063.865	1063.121	1062.899	1062.813	1063.947	1063.758	1064.103	1065.340	1065.416	1065.532	1065.660	1064.697	12
13	1063.868	1063.054	1062.905	1062.789	1064.124	1063.325	1064.139	1065.364	1065.465	1065.520	1065.657	1064.636	13
14	1063.862	1063.014	1062.920	1062.764	1064.285	1062.953	1064.237	1065.374	1065.514	1065.486	1065.657	1064.551	14
15	1063.850	1062.984	1062.932	1062.737	1064.395	1062.953	1064.170	1065.404	1065.550	1065.492	1065.654	1064.490	15
16	1063.825	1062.978	1062.944	1062.719	1064.429	1063.063	1064.224	1065.434	1065.578	1065.529	1065.654	1064.435	16
17	1063.804	1062.969	1062.966	1062.725	1064.273	1063.097	1064.420	1065.459	1065.587	1065.556	1065.651	1064.359	17
18	1063.776	1062.978	1062.956	1062.710	1064.221	1063.014	1064.612	1065.465	1065.605	1065.578	1065.657	1064.307	18
19	1063.761	1062.981	1062.941	1062.703	1064.261	1063.005	1064.770	1065.444	1065.651	1065.614	1065.648	1064.282	19
20	1063.761	1062.996	1062.935	1062.703	1064.163	1063.002	1064.932	1065.410	1065.715	1065.636	1065.642	1064.261	20
21	1063.758	1063.014	1062.917	1062.725	1064.060	1063.118	1065.005	1065.367	1065.758	1065.654	1065.633	1064.212	21
22	1063.755	1063.024	1062.889	1062.737	1063.630	1063.176	1065.026	1065.334	1065.767	1065.672	1065.633	1064.145	22
23	1063.758	1063.011	1062.868	1062.734	1063.270	1063.277	1065.047	1065.313	1065.751	1065.681	1065.614	1064.078	23
24	1063.770	1063.024	1062.868	1062.722	1063.255	1063.459	1065.099	1065.288	1065.727	1065.709	1065.599	1064.023	24
25	1063.770	1063.030	1062.871	1062.697	1063.164	1063.654	1065.093	1065.291	1065.721	1065.712	1065.569	1063.987	25
26	1063.749	1063.030	1062.889	1062.676	1063.072	1063.886	1065.044	1065.297	1065.718	1065.755	1065.556	1063.947	26
27	1063.728	1063.030	1062.883	1062.649	1062.585	1063.907	1064.993	1065.328	1065.697	1065.779	1065.544	1063.901	27
28	1063.694	1063.011	1062.883	1062.636	1062.533	1063.850	1065.038	1065.401	1065.694	1065.758	1065.523	1063.819	28
29	1063.654		1062.911	1062.630	1062.618	1063.901	1065.099	1065.462	1065.681	1065.721	1065.508	1063.743	29
30	1063.615		1062.938	1062.603	1062.737	1064.130	1065.093	1065.556	1065.666	1065.675	1065.474	1063.661	30
31	1063.609		1062.947		1062.828		1065.069	1065.627		1065.636		1063.554	31
MEAN	1063.806	1063.191	1062.923	1062.782	1063.367	1063.243	1064.541	1065.321	1065.593	1065.628	1065.619	1064.478	MEAN
MAX	1063.898	1063.594	1062.993	1062.953	1064.429	1064.130	1065.099	1065.627	1065.767	1065.779	1065.660	1065.425	MAX
MIN	1063.609	1062.969	1062.868	1062.603	1062.533	1062.356	1064.032	1065.053	1065.352	1065.486	1065.474	1063.554	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1064.215
MAXIMUM DAILY, 1065.779 ON OCT 27
MINIMUM DAILY, 1062.356 ON JUN 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 00 00 N
LONG 114 06 00 W
DATA CONTRIBUTED BY -
CITY OF CALGARY WATER WORKS DEPARTMENT

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.428	0.411	0.385	0.385	0.569	1.14	0.841	0.818	0.549	0.532	0.425	0.345	1
2	0.428	0.399	0.385	0.385	0.538	1.03	0.779	0.759	0.532	0.549	0.399	0.385	2
3	0.411	0.399	0.385	0.399	0.521	0.957	0.759	0.779	0.518	0.549	0.399	0.371	3
4	0.428	0.385	0.374	0.399	0.521	0.934	0.779	0.739	0.532	0.549	0.385	0.371	4
5	0.428	0.385	0.374	0.442	0.569	0.864	0.759	0.719	0.532	0.518	0.371	0.385	5
6	0.411	0.399	0.385	0.396E	0.521	0.841	0.759	0.719	0.518	0.518	0.360	0.371	6
7	0.399	0.411	0.385	0.368E	0.538	0.770	0.739	0.697	0.518	0.501	0.345	0.385	7
8	0.374	0.399	0.399	0.374	0.521	0.731	0.739	0.719	0.501	0.501	0.345	0.385	8
9	0.411	0.396B	0.374	0.385	0.459	0.691	0.677	0.697	0.501	0.501	0.481	0.470	9
10	0.459	0.396B	0.385	0.385	0.459	0.648	0.657	0.799	0.501	0.501	0.320	0.371	10
11	0.442	0.396B	0.385	0.385	0.473	0.648	0.637	0.657	0.501	0.484	0.320	0.360	11
12	0.442	0.396B	0.385	0.399	0.620	0.609	0.617	0.827	0.450	0.484	0.334	0.360	12
13	0.428	0.385	0.385	0.385	0.473	0.867	0.617	1.23	0.501	0.467	0.345	0.493	13
14	0.411	0.399	0.374	0.374	0.521	0.889	1.11	0.637	0.501	0.467	0.334	0.464	14
15	0.385	0.374	0.374	0.411	0.770	0.739	1.23	0.637	0.484	0.467	0.334	0.371	15
16	0.385	0.399	0.385	0.459	0.589	0.719	0.912	0.991	0.501	0.450	0.334	0.345	16
17	0.340B	0.399	0.374	0.490	0.538	0.719	0.934	1.61	0.484	0.450	0.334	0.360	17
18	0.411	0.399	0.334	0.507	0.521	0.719	0.994	1.33	0.549	0.450	0.334	0.334	18
19	0.411	0.411	0.323	0.521	0.507	0.697	0.934	0.566	0.583	0.450	0.345	0.320	19
20	0.399	0.374	0.348	0.538	0.507	0.677	0.912	0.532	0.549	0.450	0.334	0.320	20
21	0.385	0.374	0.348	0.521	0.770	0.657	0.954	0.600	0.549	0.450	0.345	0.345	21
22	0.428	0.385	0.385	0.490	0.864	0.657	0.872	0.583	0.532	0.450	0.345	0.385	22
23	0.428	0.374	0.385	0.538	0.983	0.637	1.01	1.44	0.532	0.467	0.360	0.371	23
24	0.428	0.360	0.796	0.691	0.983	0.617	0.934	1.07	0.518	0.467	0.371	0.360	24
25	0.428	0.374	1.11	0.521	0.983	0.583	0.889	0.566	0.532	0.467	0.360	0.399	25
26	0.411	0.374	0.609	0.490	1.01	0.600	0.818	0.583	0.549	0.501	0.345	0.411	26
27	0.385	0.399	0.337	0.459	0.983	0.719	0.799	0.566	0.549	0.467	0.345	0.399	27
28	0.399	0.385	0.411	0.473	0.912	0.677	0.759	0.549	0.549	0.830	0.345	0.396B	28
29	0.411		0.385	0.521	0.818	0.637	0.841	0.566	0.532	1.98	0.360	0.453B	29
30	0.411		0.374	0.521	0.793	0.657	0.960	0.583	0.532	1.35	0.360	0.510B	30
31	0.385		0.385		0.957		0.841	0.549		0.436		0.510B	31
TOTAL	12.730	10.937	13.023	13.612	20.791	22.330	26.062	24.117	15.679	17.703	10.714	12.105	TOTAL
MEAN	0.411	0.391	0.420	0.454	0.671	0.744	0.841	0.778	0.523	0.571	0.357	0.390	MEAN
MAX	0.459	0.411	1.11	0.691	1.01	1.14	1.23	1.61	0.583	1.98	0.481	0.510	MAX
MIN	0.340	0.360	0.323	0.368	0.459	0.583	0.617	0.532	0.450	0.436	0.320	0.320	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.547
MAXIMUM DAILY, 1.98 ON OCT 29
MINIMUM DAILY, 0.320 ON NOV 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 30 N
LONG 115 25 50 W
DRAINAGE AREA, 40.9 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1951

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 100	JUL	2 250
FEB	945	AUG	2 080
MAR	1 130	SEP	1 350
APR	1 180	OCT	1 530
MAY	1 800	NOV	926
JUN	1 930	DEC	1 050

TOTAL DISCHARGE, 17 300 dam³

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.827A	2.72	1.42	0.804	0.580	0.467	---	---	1
2	---	---	---	---	1.04	2.44	1.36	0.787	0.575	0.483	---	---	2
3	---	---	---	---	0.943	2.28	1.28	0.780	0.568	0.466	---	---	3
4	---	---	---	---	0.953	2.11	1.22	0.758	0.570	0.466	---	---	4
5	---	---	---	---	0.907	1.93	1.18	0.740	0.562	0.457	---	---	5
6	---	---	---	---	0.950	1.84	1.17	0.728	0.551	0.461	---	---	6
7	---	---	---	---	0.955	1.76	1.14	0.718	0.550	0.466	---	---	7
8	---	---	---	---	1.06	1.63	1.10	0.718	0.534	0.463	---	---	8
9	---	---	---	---	1.07	1.52	1.07	0.709	0.526	0.469	---	---	9
10	---	---	---	---	1.12	1.44	1.06	0.698	0.528	0.472	---	---	10
11	---	---	---	---	1.10	1.36	1.02	0.687	0.521	0.482	---	---	11
12	---	---	---	---	1.08	1.36	1.01	0.680	0.511	0.485	---	---	12
13	---	---	---	---	1.09	1.79	1.02	0.671	0.525	0.475	---	---	13
14	---	---	---	---	1.21	1.79	0.977	0.794	0.513	0.480	---	---	14
15	---	---	---	---	2.56	1.88	0.952	0.785	0.510	0.480	---	---	15
16	---	---	---	---	2.90	2.74	0.939	0.727	0.504	0.468	---	---	16
17	---	---	---	---	2.62	3.25	0.919	0.710	0.501	0.470	---	---	17
18	---	---	---	---	2.69	3.04	0.904	0.696	0.497	0.470	---	---	18
19	---	---	---	---	3.27	2.79	0.875	0.687	0.500	0.473	---	---	19
20	---	---	---	---	4.66	2.69	0.870	0.670	0.499	0.471	---	---	20
21	---	---	---	---	5.66	2.51	0.864	0.662	0.504	0.461	---	---	21
22	---	---	---	---	6.39	2.35	0.859	0.651	0.503	0.471	---	---	22
23	---	---	---	---	6.58	2.22	0.852	0.641	0.500	0.472	---	---	23
24	---	---	---	---	6.08	2.03	0.859	0.627	0.505	0.462	---	---	24
25	---	---	---	---	5.65	1.87	0.872	0.613	0.507	0.462	---	---	25
26	---	---	---	---	5.76	1.77	0.870	0.609	0.510	0.464	---	---	26
27	---	---	---	---	5.09	1.74	0.859	0.601	0.497	0.442A	---	---	27
28	---	---	---	---	4.25	1.63	0.858	0.591	0.499	0.442E	---	---	28
29	---		---	---	3.54	1.53	0.849	0.585	0.486	0.442E	---	---	29
30	---		---	---	3.15	1.46	0.831	0.588	0.488	0.442E	---	---	30
31	---		---		2.93		0.819	0.580		0.442E		---	31
TOTAL	---	---	---	---	88.085	61.47	30.878	21.295	15.624	14.426	---	---	TOTAL
MEAN	---	---	---	---	2.84	2.05	0.996	0.687	0.521	0.465	---	---	MEAN
MAX	---	---	---	---	6.58	3.25	1.42	0.804	0.580	0.485	---	---	MAX
MIN	---	---	---	---	0.827	1.36	0.819	0.580	0.486	0.442	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.26
MAXIMUM DAILY, 6.58 ON MAY 23
MINIMUM DAILY, 0.442A ON OCT 27
MAXIMUM INSTANTANEOUS,
7.27 AT 19:10 MST ON MAY 22

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 08 N
LONG 114 24 00 W
DRAINAGE AREA, 62.9 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 670
FEB	---	AUG	1 840
MAR	---	SEP	1 350
APR	---	OCT	1 250
MAY	7 610	NOV	---
JUN	5 310	DEC	---

TOTAL DISCHARGE, 20 000 dam³

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.630B	1.96	0.398	0.001	0	0	0	---	---	1
2	---	---	0 B	0.620B	1.75	0.327	0.001	0	0	0	---	---	2
3	---	---	0 B	0.857B	1.45	0.378	0.001	0	0	0	---	---	3
4	---	---	0 B	0.972B	1.18	0.168	0.001	0	0	0	---	---	4
5	---	---	0 B	0.635B	0.987	0.114	0.001	0	0	0	---	---	5
6	---	---	0 B	0.750B	0.833	0.083	0.001	0	0	0	---	---	6
7	---	---	0 B	0.997B	0.720	0.067	0.001	0	0	0	---	---	7
8	---	---	0 B	2.06 B	0.626	0.047	0	0	0	0	---	---	8
9	---	---	0 B	2.15 B	0.609	0.032	0	0	0	0	---	---	9
10	---	---	0 B	1.27 B	0.759	0.033	0	0	0	0	---	---	10
11	---	---	0 B	0.526B	0.702	0.031	0	0	0	0	---	---	11
12	---	---	0 B	0.307B	0.622	0.024	0	0	0	0	---	---	12
13	---	---	0 B	0.179B	0.560	0.032	0	0	0	0	---	---	13
14	---	---	0 B	0.112B	0.482	0.030	0	0	0	0	---	---	14
15	---	---	0 B	0.188B	0.417	0.025	0	0	0	0	---	---	15
16	---	---	0 B	0.531B	0.351	0.018	0	0	0	0	---	---	16
17	---	---	0 B	0.507B	0.295	0.019	0	0	0	0	---	---	17
18	---	---	0 B	2.11 B	0.270	0.013	0	0	0	0	---	---	18
19	---	---	0 B	4.58 B	0.229	0.009	0	0	0	0	---	---	19
20	---	---	0 B	5.48 B	0.224	0.009	0	0	0	0	---	---	20
21	---	---	0.002B	4.19 B	0.225	0.005	0	0	0	0	---	---	21
22	---	---	0.008B	2.22 B	0.212	0.006	0	0	0	0	---	---	22
23	---	---	0.010B	1.82	0.189	0.005	0	0	0	0	---	---	23
24	---	---	0.007B	1.93	0.164	0.004	0	0	0	0	---	---	24
25	---	---	0.016B	1.70	0.135	0.003	0	0	0	0	---	---	25
26	---	---	0.020B	1.18	0.110	0.002	0	0	0	0	---	---	26
27	---	---	0.013B	1.07	0.105	0.002	0	0	0	0	---	---	27
28	---	---	0.007B	1.46	0.093	0.002	0	0	0	0	---	---	28
29	---		0.005B	1.85	0.074	0.002	0	0	0	0	---	---	29
30	---		0.005B	1.75	0.074	0.001	0	0	0	0	---	---	30
31	---		0.137B		0.133		0	0		0		---	31
TOTAL	---	---	0.230	44.631	16.540	1.889	0.007	0	0	0	---	---	TOTAL
MEAN	---	---	0.007	1.49	0.534	0.063	0	0	0	0	---	---	MEAN
MAX	---	---	0.137	5.48	1.96	0.398	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0.112	0.074	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.258
MAXIMUM DAILY, 5.48B ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.80B AT 22:00 MST ON APR 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 22 28 N
LONG 118 54 50 W
DRAINAGE AREA, 152 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.60
FEB	---	AUG	0
MAR	19.9	SEP	0
APR	3 860	OCT	0
MAY	1 430	NOV	---
JUN	163	DEC	---

TOTAL DISCHARGE, 5 470 dam³

GREASEWOOD RESERVOIR NEAR ELKWATER - STATION NO. 11AB092

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	28.586E	29.136E	29.306E	29.628E	29.830E	29.796E	29.655E	29.584E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	28.825E	29.206E	29.379E	29.810E	29.826E	29.750E	29.613E	29.593E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	29.838	---	---	---	---	---	---	23
24	---	28.331	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	29.701	---	---	---	---	25
26	---	---	29.052	29.261E	29.650	29.835E	---	---	29.587E	---	---	---	26
27	---	---	29.061E	---	29.651E	---	29.833E	29.694E	---	29.616	---	---	27
28	---	28.435E	---	---	---	---	29.832	---	---	---	---	---	28
29	---	---	---	29.277	---	---	---	---	29.578	---	---	---	29
30	---	---	---	29.283E	---	29.832E	---	---	29.578E	---	---	---	30
31	---	---	29.093E	---	29.644E	---	29.821E	29.679E	---	29.614E	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 54 N
LONG 110 23 58 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

GREGOIRE LAKE NEAR FORT MCMURRAY - STATION NO. 07CE001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	475.288	475.267	475.222	475.197	475.116	475.035	---	---	1
2	---	---	---	---	475.288	475.263	475.222	475.201	475.130	475.047	---	---	2
3	---	---	---	---	475.292	475.266	475.201	475.197	475.118	475.042	---	---	3
4	---	---	---	---	475.295	475.270	475.205	475.202	475.112	475.035	---	---	4
5	---	---	---	---	475.299	475.267	475.195	475.201	475.112	475.030	---	---	5
6	---	---	---	---	475.296	475.253	475.196	475.198	475.116	475.022	---	---	6
7	---	---	---	---	475.297	475.270	475.218	475.187	475.116	475.014	---	---	7
8	---	---	---	---	475.296	475.267	475.260	475.181	475.115	475.021	---	---	8
9	---	---	---	---	475.294	475.269	475.226	475.183	475.111	475.035	---	---	9
10	---	---	---	---	475.295	475.276	475.220	475.185	475.113	475.048	---	---	10
11	---	---	---	---	475.296	475.271	475.222	475.179	475.101	475.050	---	---	11
12	---	---	---	---	475.297	475.249	475.223	475.184	475.101	475.050	---	---	12
13	---	---	---	---	475.296	475.235	475.222	475.163	475.093	475.049	---	---	13
14	---	---	---	---	475.288	475.246	475.219	475.143	475.084	475.048	---	---	14
15	---	---	---	---	475.281	475.249	475.214	475.147	475.074	475.050	---	---	15
16	---	---	---	---	475.279	475.245	475.232	475.143	475.073	475.072	---	---	16
17	---	---	---	---	475.277	475.232	475.242	475.139	475.076	475.069	---	---	17
18	---	---	---	475.252A	475.282	475.225	475.238	475.139	475.068	475.055	---	---	18
19	---	---	---	475.246	475.294	475.224	475.229	475.136	475.064	475.085	---	---	19
20	---	---	---	475.249	475.292	475.216	475.220	475.155	475.073	475.075	---	---	20
21	---	---	---	475.251	475.295	475.219	475.229	475.164	475.078	475.080	---	---	21
22	---	---	---	475.252	475.280	475.214	475.222	475.162	475.076	475.072	---	---	22
23	---	---	---	475.256	475.282	475.219	475.227	475.161	475.076	475.085	---	---	23
24	---	---	---	475.258	475.277	475.223	475.221	475.158	475.067	475.077	---	---	24
25	---	---	---	475.270	475.279	475.226	475.217	475.153	475.069	475.055	---	---	25
26	---	---	---	475.273	475.273	475.237	475.213	475.151	475.066	475.037A	---	---	26
27	---	---	---	475.276	475.275	475.227	475.215	475.155	475.052	475.037E	---	---	27
28	---	---	---	475.278	475.273	475.220	475.213	475.152	475.040	475.037E	---	---	28
29	---		---	475.282	475.271	475.215	475.211	475.143	475.041	475.037E	---	---	29
30	---		---	475.285	475.265	475.221	475.205	475.137	475.040	475.037E	---	---	30
31	---		---		475.267		475.199	475.122		475.037E		---	31
MEAN	---	---	---	---	475.286	475.243	475.219	475.165	475.086	475.049	---	---	MEAN
MAX	---	---	---	---	475.299	475.276	475.260	475.202	475.130	475.085	---	---	MAX
MIN	---	---	---	---	475.265	475.214	475.195	475.122	475.040	475.014	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 26 30 N
LONG 111 05 10 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 E	0	0.101	0.002	0	0	0	0	0	0	---	1
2	---	0 E	0	0.082	0.002	0	0	0	0	0	0	---	2
3	---	0 E	0	0.071	0.004	0	0	0	0	0	0A	---	3
4	---	0 E	0	0.064	0.006	0	0	0	0	0	---	---	4
5	---	0 E	0	0.046	0.006	0	0	0	0	0	---	---	5
6	---	0 E	0	0.037	0.011	0	0	0	0	0	---	---	6
7	---	0 E	0	0.025	0.017	0	0	0	0	0	---	---	7
8	---	0 E	0	0.016	0.019	0	0	0	0	0	---	---	8
9	---	0 E	0.001	0.014	0.014	0	0	0	0	0	---	---	9
10	---	0 E	0	0.005	0.012	0	0	0	0	0	---	---	10
11	---	0 E	0	0	0.011	0	0	0	0	0	---	---	11
12	---	0 E	0	0	0.013	0	0	0	0	0	---	---	12
13	---	0 E	0	0	0.012	0	0	0	0	0	---	---	13
14	---	0 E	0	0	0.011	0.001	0	0	0	0	---	---	14
15	---	0.035E	0	0	0.014	0.148	0	0	0	0	---	---	15
16	---	0.165E	0	0	0.024	0.672	0	0	0	0	---	---	16
17	---	0.301E	0	0	0.028	0.362	0	0	0	0	---	---	17
18	---	0.662A	0	0	0.020	0.205	0	0	0	0	---	---	18
19	---	0.466	0	0	0.015	0.132	0	0	0	0	---	---	19
20	---	0.369	0	0	0.013	0.070	0	0	0	0	---	---	20
21	---	0.167	0	0	0.011	0.022	0	0	0	0	---	---	21
22	---	0.126	0	0	0.009	0.001	0	0	0	0	---	---	22
23	---	0.105	0	0	0.007	0	0	0	0	0	---	---	23
24	---	0.005B	0	0	0.004	0	0	0	0	0	---	---	24
25	---	0.024	0	0	0.003	0	0	0	0	0	---	---	25
26	---	0.028	0	0	0	0	0	0	0	0	---	---	26
27	---	0.028	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0.021	0.003	0	0	0	0	0	0	---	---	30
31	---		0.082		0		0	0		0		---	31
TOTAL	---	2.481	0.104	0.464	0.288	1.613	0	0	0	0	---	---	TOTAL
MEAN	---	0.089	0.003	0.015	0.009	0.054	0	0	0	0	---	---	MEAN
MAX	---	0.662	0.082	0.101	0.028	0.672	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.672 ON JUN 16
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 20 N
LONG 110 30 20 W
DRAINAGE AREA, 214 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	214	AUG	0
MAR	8.99	SEP	0
APR	40.1	OCT	0
MAY	24.9	NOV	---
JUN	139	DEC	---

TOTAL DISCHARGE, 213 dam³

GULL LAKE AT ASPEN BEACH - STATION NO. 05CC006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	898.996	---	---	1
2	---	---	---	898.773	---	---	---	---	---	---	898.971	---	2
3	---	---	---	---	---	---	---	899.113	---	---	898.976	---	3
4	---	---	---	---	---	898.870	898.844	---	---	---	---	---	4
5	---	---	---	---	898.785	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	899.103	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	898.956	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	898.844	899.098	899.012	---	---	---	10
11	---	---	898.705	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	898.787	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	898.903	---	---	---	---	---	14
15	---	---	---	898.783	---	---	---	---	---	898.981	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	898.973	---	---	---	---	---	17
18	---	---	898.725	---	---	---	---	---	---	---	898.971	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	899.072	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	899.001	---	---	---	23
24	---	---	---	---	---	---	899.003	---	---	---	---	---	24
25	---	---	---	---	---	898.849	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	899.047	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	898.839	899.053	899.042	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	899.118	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 27 28 N
LONG 113 58 03 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.004	0.042	0.508	0.360	0.007	0.258	0.197	---	1
2	---	---	---	---	0.007	0.040	0.680	0.331	0.077	0.267	0.173	---	2
3	---	---	---	---	0.007	0.062	0.714	0.269	0.071	0.234	0.176	---	3
4	---	---	---	---	0.005	0.057	0.735	0.224	0.109	0.221	0.166A	---	4
5	---	---	---	---	0.003	0.033	0.754	0.177	0.153	0.219	---	---	5
6	---	---	---	---	0.200	0.073	0.750	0.139	0.168	0.303	---	---	6
7	---	---	---	---	0.473	0.053	0.721	0.114	0.185	0.325	---	---	7
8	---	---	---	---	0.534	0.008	0.815	0.093	0.207	0.370	---	---	8
9	---	---	---	---	0.403	0	0.771	0.066	0.226	0.371	---	---	9
10	---	---	---	---	0.366	0	0.748	0.041	0.236	0.388	---	---	10
11	---	---	---	---	0.304	0	0.777	0.019	0.239	0.367	---	---	11
12	---	---	---	---	0.299	0	0.686	0	0.233	0.367	---	---	12
13	---	---	---	---	0.220	0.011	0.532	0	0.188	0.342	---	---	13
14	---	---	---	---	0.109	0.050	0.397	0	0.175	0.319	---	---	14
15	---	---	---	---	0.068	0.052	0.368	0	0.167	0.304	---	---	15
16	---	---	---	---	0.370	0.066	0.367	0	0.154	0.280	---	---	16
17	---	---	---	---	0.554	0.067	0.398	0	0.146	0.282	---	---	17
18	---	---	---	---	0.556	0.078	0.316	0	0.145	0.256	---	---	18
19	---	---	---	---	0.482	0.069	0.271	0	0.150	0.228	---	---	19
20	---	---	---	---	0.480	0.069	0.238	0	0.226	0.210	---	---	20
21	---	---	---	---	0.448	0.074	0.203	0	0.188	0.242	---	---	21
22	---	---	---	---	0.418	0.058	0.204	0	0.232	0.183	---	---	22
23	---	---	---	---	0.285	0.050	0.371	0	0.213	0.201	---	---	23
24	---	---	---	---	0.203	0.031	0.534	0	0.229	0.197	---	---	24
25	---	---	---	---	0.148	0.014	0.583	0	0.238	0.230	---	---	25
26	---	---	---	---	0.152	0.012	0.505	0	0.235	0.238	---	---	26
27	---	---	---	0.004A	0.091	0.108	0.454	0	0.204	0.252	---	---	27
28	---	---	---	0.002	0.227	0.190	0.417	0	0.227	0.255	---	---	28
29	---		---	0.008	0.072	0.195	0.409	0	0.233	0.235	---	---	29
30	---		---	0.006	0.029	0.232	0.438	0	0.234	0.215	---	---	30
31	---		---		0.101		0.420	0		0.228		---	31
TOTAL	---	---	---	---	7.618	1.794	16.044	1.833	5.495	8.387	---	---	TOTAL
MEAN	---	---	---	---	0.246	0.060	0.518	0.059	0.183	0.271	---	---	MEAN
MAX	---	---	---	---	0.556	0.232	0.815	0.360	0.239	0.388	---	---	MAX
MIN	---	---	---	---	0.003	0	0.203	0	0.007	0.183	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.224
MAXIMUM DAILY, 0.815 ON JUL 8
MINIMUM DAILY, 0 ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 20 N
LONG 113 08 00 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 390
FEB	---	AUG	158
MAR	---	SEP	475
APR	---	OCT	725
MAY	658	NOV	---
JUN	155	DEC	---

TOTAL DISCHARGE, 3 560 dam³

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.110B	0.085B	0.225B	0.470B	9.90B	2.95	2.84	3.21	0.669	0.374	0.760B	0.670B	1
2	0.110B	0.085B	0.230B	0.500B	12.1	2.59	2.42	2.98	0.635	0.374	0.830B	0.660B	2
3	0.110B	0.090B	0.235B	0.540B	8.27	2.45	1.87	2.72	0.680	0.408	0.860B	0.650B	3
4	0.100B	0.090B	0.245B	0.590B	6.63	2.36	1.35	2.61	0.646	0.408	0.870B	0.630B	4
5	0.100B	0.090B	0.250B	0.630B	6.*2	2.40	1.24	2.17	0.578	0.408	0.880B	0.620B	5
6	0.100B	0.090B	0.260B	0.650B	5.36	2.21	1.56	1.98	0.510	0.318	0.870B	0.600B	6
7	0.100b	0.090B	0.270B	0.660B	5.36	1.96	2.42	1.73	0.476	0.374	0.860B	0.582B	7
8	0.100B	0.090B	0.275B	0.660B	4.50	2.07	4.04E	1.44	0.510	0.340	0.860B	0.580B	8
9	0.095B	0.085B	0.280B	0.650B	4.33	2.05	10.3	1.32	0.374	1.12	0.850B	0.550B	9
10	0.095B	0.085B	0.285B	0.620B	4.17	2.05	10.3	1.20	0.252	1.51	0.840B	0.540B	10
11	0.095B	0.085B	0.295B	0.600B	3.77	1.87	10.1	1.04	0.208	2.17	0.830B	0.520B	11
12	0.095B	0.090B	0.300B	0.580B	3.55	1.64	9.06	0.897	0.164	1.94	0.810B	0.500B	12
13	0.095B	0.100B	0.300B	0.560B	3.33	1.44	8.11	0.646	0.135	1.56	0.800B	0.490B	13
14	0.095B	0.110B	0.305B	0.580B	3.19	1.29	7.54	0.567	0.102	1.51	0.790B	0.470B	14
15	0.095B	0.120B	0.305B	0.600B	2.91	1.14	5.95	0.499	0.186	1.62	0.770B	0.460B	15
16	0.095B	0.137B	0.300B	0.620B	2.91	1.04	5.48	0.442	0.186	1.89	0.760B	0.450B	16
17	0.095B	0.150B	0.290B	0.660B	2.77	0.961	4.50	0.385	0.208	1.94	0.750B	0.440B	17
18	0.095B	0.160B	0.280B	0.740B	2.70	0.910	3.31	0.318	0.230	1.89	0.740B	0.430B	18
19	0.092B	0.170B	0.260B	0.820B	2.63	0.782	2.66	0.281	0.208	1.14	0.730B	0.430B	19
20	0.090B	0.190B	0.250B	0.970B	2.91	0.744	3.89	0.397	0.186	2.30	0.720B	0.420B	20
21	0.090B	0.200B	0.255B	1.20 B	3.40	1.18	8.74	0.510	0.252	2.30	0.710B	0.410B	21
22	0.090B	0.205B	0.260B	1.45 B	3.85	1.87	14.0	0.601	0.340	2.63	0.710B	0.400B	22
23	0.090B	0.205B	0.265B	1.90 B	2.98	3.82	16.1	0.693	0.340	2.91	0.700B	0.390B	23
24	0.090B	0.205B	0.274B	2.45 B	2.84	3.82	15.4	0.782	0.374	1.40 B	0.700B	0.380B	24
25	0.090B	0.205B	0.290B	3.10 B	2.68	5.01	10.4	0.923	0.374	0.600B	0.690B	0.370B	25
26	0.090B	0.210B	0.310B	4.00 B	2.28	5.74	8.03	0.935	0.442	0.540B	0.690B	0.370B	26
27	0.090B	0.210B	0.330B	5.10 B	2.09	5.36	6.86	0.757	0.476	0.552B	0.680B	0.360B	27
28	0.085B	0.215B	0.355B	6.40 B	3.21	4.96	5.71	0.769	0.374	0.560B	0.680B	0.350B	28
29	0.085B		0.380B	8.20 B	4.42	4.36	5.10	0.669	0.408	0.590B	0.680B	0.340B	29
30	0.085B		0.405B	9.70 B	3.72	3.55	4.39	0.578	0.374	0.650B	0.670B	0.330B	30
31	0.085B		0.430B		3.31		3.72	0.623		0.690B		0.320B	31
TOTAL	2.932	3.847	8.994	56.200	132.19	74.577	197.39	34.672	10.897	37.016	23.090	14.712	TOTAL
MEAN	0.095	0.137	0.290	1.87	4.26	2.49	6.37	1.12	0.363	1.19	0.770	0.475	MEAN
MAX	0.110	0.215	0.430	9.70	12.1	5.74	16.1	3.21	0.680	2.91	0.880	0.670	MAX
MIN	0.085	0.085	0.225	0.470	2.09	0.744	1.24	0.281	0.102	0.318	0.670	0.320	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.63
MAXIMUM DAILY, 16.1 ON JUL 23
MINIMUM DAILY, 0.085B ON JAN 28

TYPE OF GAUGE - MANUAL
LOCATION - LAT 56 42 18 N
LONG 111 21 20 W
DRAINAGE AREA, 914 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	253	JUL	17 100
FEB	332	AUG	3 000
MAR	777	SEP	942
APR	4 860	OCT	3 200
MAY	11 400	NOV	1 990
JUN	6 440	DEC	1 270

TOTAL DISCHARGE, 51 600 dam³

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.022B	0.024B	0.008B	0.021B	1.60	0.460	0.771	0.398	0.040	0.092	0.064B	0.029B	1
2	0.022B	0.023B	0.008B	0.022B	1.56	0.425	0.790	0.334	0.034	0.097	0.060B	0.028B	2
3	0.022B	0.022B	0.008B	0.023B	1.60	0.411	0.767	0.289	0.034	0.091	0.057B	0.027B	3
4	0.022B	0.020B	0.008B	0.023B	1.46	0.451	0.972	0.261	0.041	0.087	0.056B	0.026B	4
5	0.022B	0.018B	0.008B	0.024B	1.36	0.558	0.950	0.255	0.039	0.092	0.054B	0.025B	5
6	0.023B	0.015B	0.008B	0.025B	1.29	0.583	0.976	0.203	0.043	0.103	0.053B	0.024B	6
7	0.023B	0.013B	0.009B	0.026B	1.23	0.636	1.07	0.126	0.046	0.108	0.052B	0.023B	7
8	0.023B	0.010B	0.009B	0.027B	1.14	0.632	1.35	0.122	0.049	0.115	0.051B	0.021B	8
9	0.023B	0.009B	0.009B	0.029B	1.07	0.693	1.51	0.104	0.045E	0.137	0.050B	0.020B	9
10	0.023B	0.008B	0.009B	0.028B	1.01	0.720	1.52	0.100	0.042E	0.160	0.050B	0.019B	10
11	0.023B	0.007B	0.010B	0.028B	0.943	0.692	1.60	0.071	0.041E	0.165	0.049B	0.017B	11
12	0.024B	0.007B	0.010B	0.029B	0.910	0.683	1.78	0.072	0.040E	0.167	0.048B	0.016B	12
13	0.024B	0.007B	0.011B	0.029B	0.882	0.653	1.78	0.059	0.039E	0.153	0.047B	0.015B	13
14	0.024B	0.006B	0.011B	0.029B	0.841	0.654	1.75	0.055E	0.039	0.157	0.046B	0.015B	14
15	0.024B	0.006B	0.012B	0.030B	0.783	0.674	1.90	0.053E	0.040	0.159	0.045B	0.014B	15
16	0.024B	0.006B	0.012B	0.031B	0.729	0.669	2.02	0.051E	0.040	0.157	0.043B	0.014B	16
17	0.025B	0.006B	0.012B	0.032B	0.716	0.656	2.26	0.050E	0.042	0.154	0.042B	0.014B	17
18	0.025B	0.006B	0.012B	0.033B	0.744	0.653	2.06	0.048E	0.032	0.157	0.040B	0.014B	18
19	0.025B	0.007B	0.013B	0.034B	0.742	0.667	1.87	0.045E	0.042	0.161	0.039B	0.014B	19
20	0.025B	0.007B	0.013B	0.037B	0.731	0.666	1.64	0.044E	0.054	0.158B	0.037B	0.014B	20
21	0.025B	0.007B	0.013B	0.052B	0.733	0.656	1.43	0.045E	0.059	0.153B	0.036B	0.014B	21
22	0.025B	0.007B	0.013B	0.074B	0.697	0.692	1.46	0.046E	0.061	0.136B	0.035B	0.014B	22
23	0.025B	0.007B	0.014B	0.110B	0.661	0.761	1.46	0.047E	0.069	0.128B	0.034B	0.014B	23
24	0.026B	0.007B	0.014B	0.160B	0.622	0.774	1.33	0.049E	0.071	0.112B	0.033B	0.014B	24
25	0.026B	0.007B	0.015B	0.230B	0.589	0.731	1.17	0.049	0.069	0.095B	0.033B	0.014B	25
26	0.026B	0.008B	0.016B	0.320B	0.559	0.672	1.03	0.045	0.067	0.087B	0.032B	0.014B	26
27	0.026B	0.008B	0.016B	0.420B	0.533	0.639	0.928	0.048	0.077	0.083B	0.031B	0.013B	27
28	0.025B	0.008B	0.017B	0.700B	0.499	0.605	0.833	0.042	0.081	0.079B	0.031B	0.013B	28
29	0.025B		0.018B	1.10 B	0.488	0.751	0.719	0.028	0.084	0.074B	0.030B	0.012B	29
30	0.025B		0.019B	1.74	0.460	0.796	0.588	0.032	0.081	0.070B	0.030B	0.011B	30
31	0.025B		0.020B		0.430		0.471	0.037		0.067B		0.011B	31
TOTAL	0.747	0.286	0.375	5.465	27.612	19.313	40.755	3.208	1.541	3.754	1.308	0.533	TOTAL
MEAN	0.024	0.010	0.012	0.182	0.891	0.644	1.31	0.103	0.051	0.121	0.044	0.017	MEAN
MAX	0.026	0.024	0.020	1.74	1.60	0.796	2.26	0.398	0.084	0.167	0.064	0.029	MAX
MIN	0.022	0.006	0.008	0.021	0.430	0.411	0.471	0.028	0.032	0.067	0.030	0.011	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.287
MAXIMUM DAILY, 2.26 ON JUL 17
MINIMUM DAILY, 0.006B ON FEB 14
MAXIMUM INSTANTANEOUS,
2.30 AT 13:05 MST ON JUL 17

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 34 N
LONG 111 27 53 W
DRAINAGE AREA, 357 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	64.5	JUL	3 520
FEB	24.7	AUG	277
MAR	32.4	SEP	133
APR	472	OCT	324
MAY	2 390	NOV	113
JUN	1 670	DEC	46.1

TOTAL DISCHARGE, 9 070 dam³

HASTINGS LAKE NEAR DEVILLE - STATION NO. 05EB011

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	736.271	736.219	736.146	736.198	736.098	736.025	---	---	1
2	---	---	---	---	736.271	736.217	736.142	736.194	736.094	736.025	---	---	2
3	---	---	---	---	736.269	736.219	736.138	736.192	73 .088	736.023	---	---	3
4	---	---	---	---	736.267	736.217	736.136	736.188	736.086	736.021	736.001	---	4
5	---	---	736.283	---	736.265	736.213	736.132	736.196	736.084	736.019	---	---	5
6	---	---	---	---	736.261	736.207	736.135	736.192	736.082	736.017	---	---	6
7	---	---	---	---	736.265	736.203	736.137	736.190	736.080	736.013	---	---	7
8	---	---	---	---	736.263	736.197	736.145	736.188	736.078	736.033	---	---	8
9	---	---	---	736.383	736.259	736.195	736.141	736.184	736.076	736.031	---	---	9
10	---	---	---	---	736.262	736.191	736.135	736.180	736.072	736.029	---	---	10
11	---	---	---	---	736.260	736.187	736.133	736.176	736.068	736.027	---	---	11
12	---	---	---	---	736.258	736.187	736.137	736.170	736.064	736.025	---	---	12
13	---	---	---	---	736.256	736.183	736.135	736.165	736.060	736.025	---	---	3
14	---	---	---	---	736.254	736.183	736.141	736.159	736.058	736.025	---	---	4
15	---	---	---	---	736.252	736.179	736.167	736.155	736.054	736.023	---	---	5
16	---	---	---	---	736.248	736.177	736 167	736.153	736.048	736.021	---	---	16
17	---	---	---	---	736.246	736.188	736.165	736.151	736.046	736.021	---	---	17
18	---	---	---	---	736.244	736.183	736.163	736.147	736.044	736.019	---	---	18
19	---	---	---	---	736.242	736.180	736.161	736.141	736.040	736.017	---	---	19
20	---	---	---	---	736.244	736.178	736.161	736.137	736.047	736.015	---	---	20
21	---	---	---	---	736.242	736.182	736.165	736.133	736.043	736.013	---	---	21
22	---	---	---	---	736.238	736.178	736.161	736.129	736.047	736.011	---	---	22
23	---	---	---	---	736.234	736.174	736.173	736.127	736.045	736.009	---	---	23
24	---	---	---	---	736.230	736.170	736.171	736.123	736.043	736.007	---	---	24
25	---	---	---	---	736.226	736.166	736.168	736.117	736.041	736.007	---	---	25
26	---	---	---	---	736.222	736.164	736.164	736.113	736.041	736.011	---	---	26
27	---	---	---	---	736.222	736.160	736.160	736.107	736.037	736.007	---	---	27
28	---	---	---	---	736.216	736.156	736.164	736.101	736.031	736.005	---	---	28
29	---		---	---	736.215	736.150	736.162	736.097	736.031	736.005	---	---	29
30	---		---	736.273	736.211	736.146	736.182	736.107	736.028	736.005	---	---	30
31	---		---		736.219		736.192	736.103		736.003		---	31
MEAN	---	---	---	---	736.246	736.185	736.154	736.152	736.058	736.017	---	---	MEAN
MAX	---	---	---	---	736.271	736.219	736.192	736.198	736.098	736.033	---	---	MAX
MIN	---	---	---	---	736.211	736.146	736.132	736.097	736.028	736.003	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 25 30 N
LONG 112 54 02 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.350B	0.330B	200B	129	53.0	12.5	6.03	2.78	---	---	1
2	---	---	0.270B	0.390B	268B	125	57.6	11.9	6.15	2.71	---	---	2
3	---	---	0.240B	0.420B	341B	122	56.6	11.8	6.09	2.65	---	---	3
4	---	---	0.150B	0.450B	510B	119	55.4	11.3	6.10	2.64	---	---	4
5	---	---	0.100B	0.500B	563	117	57.2	11.2	6.13	2.65	---	---	5
6	---	---	0.100B	0.680B	556	116	57.4	11.0	6.19A	2.71	---	---	6
7	---	---	0.100B	0.950B	532	116	54.5	10.8	5.70E	2.76	---	---	7
8	---	---	0.100B	1.20 B	487	115	50.6	10.5	5.21E	2.96	---	---	8
9	---	---	0.100B	1.39 B	444	114	47.8	9.74	4.72A	3.61	---	---	9
10	---	---	0.125B	1.50 B	406	111	44.6	9.32	4.71	4.27	---	---	10
11	---	---	0.150B	1.58 B	374	107	41.4	9.06	4.64	4.29	---	---	11
12	---	---	0.180B	1.63 B	346	103	38.3	8.70	4.44	4.17	---	---	12
13	---	---	0.240B	1.69 B	319	98.6	35.6	8.50	4.44	4.10	---	---	13
14	---	---	0.390B	1.72 B	294	94.5	32.9	8.20	4.48	4.10	---	---	14
15	---	---	0.520B	1.72 B	270	90.3	30.2	7.97	4.32	4.12	---	---	15
16	---	---	0.750B	1.69 B	252	86.1	28.3	7.92	4.20	4.17	---	---	16
17	---	---	0.900B	1.63 B	237	81.5	27.0	7.81	4.13	4.26	---	---	17
18	---	---	1.10 B	1.56 B	223	77.1	25.9	7.73	3.96	4.38	---	---	18
19	---	---	1.22 B	1.39 B	212	72.7	24.4	7.66	3.67	4.50	---	---	19
20	---	---	1.22 B	1.22 B	202	67.7	22.5	7.67	3.64	4.49	---	---	20
21	---	---	1.10 B	1.10 B	194	63.9	21.3	7.50	3.60	3.64B	---	---	21
22	---	---	0.850B	1.00 B	186	60.1	20.1	7.29	3.47	2.85B	---	---	22
23	---	---	0.600B	1.50 B	179	57.6	19.0	7.20	3.39	2.75B	---	---	23
24	---	---	0.400B	2.00 B	172	53.9	18.1	7.12	3.36	2.81B	---	---	24
25	---	---	0.330B	10.0 B	166	51.7	17.1	6.92	3.32	2.85B	---	---	25
26	---	0.490B	0.230B	25.0 B	161	50.5	16.2	6.66	3.14	2.91B	---	---	26
27	---	0.470B	0.200B	40.0 B	155	50.1	16.0	6.27	3.03	2.91B	---	---	27
28	---	0.420B	0.230B	50.0 B	147	47.8	15.7	6.00	2.95	2.85B	---	---	28
29	---		0.250B	102 B	142	46.7	15.2	6.01	2.87	2.85B	---	---	29
30	---		0.280B	157 B	137	46.6	14.4	6.00	2.84	2.85B	---	---	30
31	---		0.300B		133		13.3	5.86		2.85B		---	31
TOTAL	---	---	13.075	413.240	8 808	2 591.4	1 027.6	264.11	130.92	104.44	---	---	TOTAL
MEAN	---	---	0.422	13.8	284	86.4	33.1	8.52	4.36	3.37	---	---	MEAN
MAX	---	---	1.22	157	563	129	57.6	12.5	6.19	4.50	---	---	MAX
MIN	---	---	0.100	0.330	133	46.6	13.3	5.86	2.84	2.64	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 54.5
MAXIMUM DAILY, 563 ON MAY 5
MINIMUM DAILY, 0.100B ON MAR 5
MAXIMUM INSTANTANEOUS,
587 AT 00:00 MST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 09 00 N
LONG 117 38 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	88 800
FEB	---	AUG	22 800
MAR	1 130	SEP	11 300
APR	35 700	OCT	9 020
MAY	761 000	NOV	---
JUN	224 000	DEC	---

TOTAL DISCHARGE, 1 150 000 dam³

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.040E	0.036	0.030	0.001	0	0	0	0	---	---	1
2	---	---	0.040E	0.076	0.153	0.001	0	0	0	0	---	---	2
3	---	---	0.040E	0.084	0.035	0.002	0	0.001	0	0	---	---	3
4	---	---	0.040E	0.109	0.009	0.001	0	0.008	0	0	---	---	4
5	---	---	0.037	0.113	0.020	0.001	0	0.008	0	0	---	---	5
6	---	---	0.050E	0.116	0.099	0.001	0	0.005	0	0	---	---	6
7	---	---	0.060E	0.122	0.105	0.001	0	0.005	0	0	---	---	7
8	---	---	0.070E	0.076	0.112	0.001	0	0.007	0	0	---	---	8
9	---	---	0.080E	0.039	0.160	0.001	0	0.007	0	0	---	---	9
10	---	---	0.090E	0.025	0.138	0.001	0	0.008	0	0	---	---	10
11	---	---	0.100E	0.028	0.092	0.001	0	0.007	0	0	---	---	11
12	---	---	0.112A	0.043	0.052	0.001	0	0.007	0	0	---	---	12
13	---	---	0.259	0.057	0.012	0	0	0.007	0	0	---	---	13
14	---	---	0.489	0.067	0.006	0	0	0.007	0	0	---	---	14
15	---	---	0.607	0.052	0.001	0	0	0.006	0	0	---	---	15
16	---	---	0.643	0.041	0	0	0	0.004	0	0	---	---	16
17	---	---	0.650	0.044	0	0	0	0.003	0	0	---	---	17
18	---	---	0.448	0.046	0	0	0	0.001	0	0	---	---	18
19	---	---	0.331	0.046	0	0	0	0.001	0	0	---	---	19
20	---	---	0.241	0.044	0.002	0	0	0.002	0	0	---	---	20
21	---	---	0.159	0.043	0.001	0	0	0.001	0	0	---	---	21
22	---	---	0.096	0.044	0	0	0	0	0	0	---	---	22
23	---	---	0.058	0.047	0	0	0	0	0	0	---	---	23
24	---	---	0.029	0.049	0	0	0	0.001	0	0	---	---	24
25	---	---	0.010	0.051	0	0	0	0	0	0	---	---	25
26	---	---	0.011	0.163	0	0	0	0	0	0	---	---	26
27	---	---	0.007	0.113	0	0	0	0	0	0	---	---	27
28	---	---	0.005	0.013	0	0	0	0	0	0	---	---	28
29	---		0.002	0.009	0	0	0	0	0	0	---	---	29
30	---		0.007	0.009	0	0	0	0	0	0	---	---	30
31	---		0.015		0		0	0		0		---	31
TOTAL	---	---	4.826	1.805	1.027	0.013	0	0.096	0	0	---	---	TOTAL
MEAN	---	---	0.156	0.060	0.033	0	0	0.003	0	0	---	---	MEAN
MAX	---	---	0.650	0.163	0.160	0.002	0	0.008	0	0	---	---	MAX
MIN	---	---	0.002	0.009	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 0.650 ON MAR 17
MINIMUM DAILY, 0 ON MAY 16
MAXIMUM INSTANTANEOUS,
0.747 AT 08:20 MST ON MAR 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 55 N
LONG 113 21 40 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	8.29
MAR	417	SEP	0
APR	156	OCT	0
MAY	88.7	NOV	---
JUN	1.12	DEC	---

TOTAL DISCHARGE, 671 dam³

HEART RIVER NEAR NAMPA - STATION NO. 07HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.140B	0.145B	0.145B	5.24B	10.6	1.08	0.564	0.015	0	0	0.110E	0.095B	1
2	0.135B	0.145B	0.150B	5.18B	9.55	1.03	0.478	0.014	0	0	0.115E	0.095B	2
3	0.135B	0.145B	0.155B	7.20B	8.74	0.919	0.446	0.013	0	0	0.115E	0.094B	3
4	0.135B	0.145B	0.160B	6.23B	8.18	0.797	0.352	0.013	0	0	0.115A	0.092B	4
5	0.140B	0.140B	0.155B	7.87B	7.03	0.675	0.272	0.013	0	0	0.111E	0.090B	5
6	0.150B	0.135B	0.150B	7.37B	6.12	0.485	0.267	0.013	0	0	0.107E	0.089B	6
7	0.155B	0.135B	0.155B	6.00B	5.46	0.322	0.312	0.012E	0	0	0.104E	0.087B	7
8	0.155B	0.130B	0.160B	8.38B	4.94	0.147	0.191	0.011E	0	0	0.100E	0.085B	8
9	0.150B	0.120B	0.170B	6.73B	4.50	0.109	0.099	0.010E	0	0	0.096A	0.083B	9
10	0.145B	0.115B	0.180B	4.97B	4.14	0.055	0.072	0.009E	0	0	0.094E	0.082B	10
11	0.140B	0.115B	0.195B	3.50B	3.76	0.043	0.042	0.008E	0	0	0.093E	0.080B	11
12	0.140B	0.115B	0.215B	2.02B	3.40	0.052	0.031	0.007E	0	0	0.091E	0.077B	12
13	0.140B	0.115B	0.240B	2.08B	3.27	0.111	0.022	0.006E	0	0	0.089E	0.073B	13
14	0.140B	0.120B	0.280B	1.69B	2.82	0.261	0.022	0.005E	0	0	0.087B	0.071B	14
15	0.140B	0.130B	0.310B	2.42B	2.65	0.140	0.044	0.004E	0	0	0.086B	0.069B	15
16	0.140B	0.135B	0.335B	3.26B	2.32	0.096	0.023	0.003E	0	0	0.084B	0.070B	16
17	0.140B	0.135B	0.350B	3.35B	2.18	0.092	0.094	0.002E	0	0	0.082B	0.072B	17
18	0.140B	0.140B	0.360B	3.81B	1.85	0.070	0.065	0.001E	0	0	0.080B	0.075B	18
19	0.145B	0.140B	0.365B	4.35B	1.72	0.267	0.046	0	0	0	0.083B	0.078B	19
20	0.150B	0.140B	0.360B	5.93B	1.58	0.501	0.047	0	0	0	0.086B	0.080B	20
21	0.150B	0.140B	0.340B	5.68B	1.43	0.388	0.033	0	0	0	0.090B	0.080B	21
22	0.155B	0.140B	0.330B	5.66B	1.29	0.304	0.019	0	0	0	0.088B	0.078B	22
23	0.165B	0.138B	0.326B	5.88B	1.18	0.781	0.014	0	0	0	0.085B	0.078B	23
24	0.170B	0.140B	0.326B	6.42	1.16	0.969	0.014	0	0	0	0.082B	0.076B	24
25	0.170B	0.140B	0.340B	9.12	1.21	0.997	0.064	0	0	0	0.082B	0.076B	25
26	0.170B	0.140B	0.360B	11.1	1.11	0.887	0.067	0	0	0	0.082B	0.075B	26
27	0.165B	0.140B	0.575B	11.7	1.03	0.785	0.054	0	0	0	0.085B	0.073B	27
28	0.160B	0.140B	1.24 B	13.5	0.763	0.655	0.051	0	0	0.001E	0.088B	0.071B	28
29	0.155B		1.82 B	13.0	0.629	0.539	0.054	0	0	0.060E	0.090B	0.069B	29
30	0.150B		3.39 B	11.9	0.823	0.583	0.052	0	0	0.110E	0.095B	0.068B	30
31	0.150B		4.19 B		1.16		0.034	0		0.110E		0.067B	31
TOTAL	4.615	3.758	17.827	191.54	106.595	14.140	3.945	0.159	0	0.281	2.795	2.448	TOTAL
MEAN	0.149	0.134	0.575	6.38	3.44	0.471	0.127	0.005	0	0.009	0.093	0.079	MEAN
MAX	0.170	0.145	4.19	13.5	10.6	1.08	0.564	0.015	0	0.110	0.115	0.095	MAX
MIN	0.135	0.115	0.145	1.69	0.629	0.043	0.014	0	0	0	0.080	0.067	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.954
MAXIMUM DAILY, 13.5 ON APR 28
MINIMUM DAILY, 0 ON AUG 19
MAXIMUM INSTANTANEOUS,
13.8 AT 18:00 MST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 03 23 N
LONG 117 07 53 W
DRAINAGE AREA, 1 960 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	399	JUL	341
FEB	325	AUG	13.7
MAR	1 540	SEP	0
APR	16 500	OCT	24.3
MAY	9 210	NOV	241
JUN	1 220	DEC	212

TOTAL DISCHARGE, 30 000 dam³

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0		0.006	0.144A	0.509	0.526	0.332	0.001E	---	---	1
2	---	---	---	0		0.006	0.164E	0.507	0.486	0.324	0.001E	---	---	2
3	---	---	---	0		0.006	0.185E	0.497	0.456	0.325	0.001E	---	---	3
4	---	---	---	0		0.006	0.206E	0.493	0.483	0.318	0.001E	---	---	4
5	---	---	---	0		0.007	0.226A	0.493	0.342	0.312	0.001E	---	---	5
6	---	---	---	0		0.013	0.216	0.500	0.279	0.304	0.001E	---	---	6
7	---	---	---	0		0.023	0.200	0.496	0.440	0.289	0.001E	---	---	7
8	---	---	---	0		0.032	0.178	0.488	0.615	0.278	0.001E	---	---	8
9	---	---	---	0	A	0.019	0.153	0.476	0.598	0.265	0.001E	---	---	9
10	---	---	---	0		0.013	0.132	0.469	0.554	0.260	0.001E	---	---	10
11	---	---	---	0		0.086	0.097	0.468	0.519	0.207	0.001E	---	---	11
12	---	---	---	0		0.147	0.087	0.459	0.492	0.158	0.001E	---	---	12
13	---	---	---	0		0.145	0.215	0.482	0.507	0.157	0.001E	---	---	13
14	---	---	---	0		0.146	0.236	0.525	0.508	0.074	0.001E	---	---	14
15	---	---	---	0		0.151	0.229	0.533	0.495	0.005	0.001E	---	---	15
16	---	---	---	0.002		0.159	0.298	0.527	0.465	0.001	0	---	---	16
17	---	---	---	0.008		0.156	0.328	0.566	0.508	0.001	0	---	---	17
18	---	---	---	0.005		0.158	0.356	0.589	0.532	0.001	0	---	---	18
19	---	---	---	0.006		0.181	0.396	0.580	0.498	0.001	0	---	---	19
20	---	---	---	0.008		0.209	0.381	0.581	0.474	0.001	0	---	---	20
21	---	---	---	0.009		0.206	0.381	0.598	0.452	0.001	0	---	---	21
22	---	---	---	0.009		0.204	0.379	0.620	0.436	0.001A	0	---	---	22
23	---	---	---	0.009		0.197	0.375	0.665	0.415	0.001E	0	---	---	23
24	---	---	---	0.012		0.216	0.372	0.663	0.403	0.001E	0	---	---	24
25	---	---	---	0.013		0.213	0.401	0.761	0.396	0.001E	0	---	---	25
26	---	---	---	0.011		0.200	0.447	0.769	0.381	0.001E	0	---	---	26
27	---	---	---	0.009		0.162	0.461	0.436	0.366	0.001E	0	---	---	27
28	---	---	---	0.006		0.150	0.468	0.008	0.353	0.001A	0	---	---	28
29	---		---	0.006		0.138	0.463	0.007	0.340	0.001A	0	---	---	29
30	---		---	0.006		0.135	0.478	0.007	0.341	0.001A	0	---	---	30
31	---		---			0.139		0.189	0.349		0	---	---	31
TOTAL	---	---	---	0.119		3.629	8.652	14.961	14.009	3.623	0.015	---	---	TOTAL
MEAN	---	---	---	0.004		0.117	0.288	0.483	0.452	0.121	0	---	---	MEAN
MAX	---	---	---	0.013		0.216	0.478	0.769	0.615	0.332	0.001	---	---	MAX
MIN	---	---	---	0		0.006	0.087	0.007	0.279	0.001	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.210
MAXIMUM DAILY, 0.769 ON JUL 26
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 08 N
LONG 113 59 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 290
FEB	---	AUG	1 210
MAR	---	SEP	313
APR	10.3	OCT	1.30
MAY	314	NOV	---
JUN	748	DEC	---

TOTAL DISCHARGE, 3 890 dam³

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.31B	2.58	13.4	66.0	46.8	13.6	6.53	3.78	---	---	1
2	---	---	2.30B	2.45	15.5	62.2	41.0	13.0	6.59	4.39	---	---	2
3	---	---	2.17B	2.44	12.5	60.0	38.3	12.7	6.35	4.59	---	---	3
4	---	---	2.17B	2.36	11.6	53.0	39.7	13.2	6.12	4.07	---	---	4
5	---	---	2.18B	2.38	11.5	46.9	36.8	12.5	6.01	3.84	---	---	5
6	---	---	2.20B	2.36	10.9	45.5	33.7	11.7	5.75	3.90	---	---	6
7	---	---	2.17B	2.33	10.3	43.0	29.9	11.8	5.50	3.80	---	---	7
8	---	---	2.15B	2.31	10.5	38.1	26.6	15.6	5.30	3.76	---	---	8
9	---	---	2.16B	2.28	11.2	34.2	23.8	13.5	5.19	3.75	---	---	9
10	---	---	2.20B	2.27	13.0	31.3	22.7	12.5	5.10	3.65	---	---	10
11	---	---	2.18B	2.18	12.4	29.2	21.5	11.9	4.98	3.72	---	---	11
12	---	---	2.20B	2.21	12.1	28.2	20.2	11.6	4.86	3.69	---	---	12
13	---	---	2.23B	2.15	13.2	41.2	21.3	12.8	4.76	3.43	---	---	13
14	---	---	2.20B	2.15	16.1	49.9	21.4	12.0	4.68	3.65	---	---	14
15	---	---	2.29	2.27	29.6	51.4	19.6	11.9	4.61	3.46	---	---	15
16	---	---	2.36	2.61	23.6	56.0	19.2	11.2	4.42	3.48	---	---	16
17	---	---	2.34	2.80	21.5	54.9	19.5	12.1	4.35	3.52	---	---	17
18	---	---	2.27	3.01	26.1	48.3	18.5	11.1	4.26	3.42	---	---	18
19	---	---	2.18B	3.49	35.8	43.9	17.9	10.5	4.17	3.45	---	---	19
20	---	---	2.15B	4.46	47.3	42.4	17.6	10.1	4.23	3.42	---	---	20
21	---	---	2.12B	5.60	62.8	41.7	17.1	9.73	4.22	3.10B	---	---	21
22	---	---	2.10B	5.38	75.1	39.0	16.1	9.28	4.16	3.04B	---	---	22
23	---	---	2.09	6.40	83.8	36.7	16.5	8.86	4.05	3.08	---	---	23
24	---	---	2.09	9.58	94.5	33.9	16.5	8.58	3.99	3.09	---	---	24
25	---	2.25B	2.10	8.24	102	32.9	20.0	8.23	4.08	3.08	---	---	25
26	---	2.28B	2.20	6.78	124	35.9	18.4	7.84	4.11	3.25	---	---	26
27	---	2.29B	2.10	6.23	101	47.7	16.9	7.60	4.06	3.26	---	---	27
28	---	2.30B	2.14	6.22	82.3	44.8	16.3	7.26	4.08	3.25	---	---	28
29	---		2.24	6.44	66.8	40.5	16.3	7.08	4.03	3.24	---	---	29
30	---		2.43	6.75	65.9	41.4	15.6	7.12	3.88	3.19A	---	---	30
31	---		2.47		65.6		14.6	6.97		3.15E		---	31
TOTAL	---	---	68.49	118.71	1 281.9	1 320.1	720.3	333.85	148.42	109.50	---	---	TOTAL
MEAN	---	---	2.21	3.96	41.4	44.0	23.2	10.8	4.81	3.53	---	---	MEAN
MAX	---	---	2.47	9.58	124	66.0	46.8	15.6	6.59	4.59	---	---	MAX
MIN	---	---	2.09	2.15	10.3	28.2	14.6	6.97	3.88	3.04	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.7
MAXIMUM DAILY, 124 ON MAY 26
MINIMUM DAILY, 2.09 ON MAR 23
MAXIMUM INSTANTANEOUS,
148 AT 01:30 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 20 N
LONG 114 29 50 W
DRAINAGE AREA, 777 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	62 200
FEB	---	AUG	28 800
MAR	5 920	SEP	12 500
APR	10 300	OCT	9 460
MAY	111 000	NOV	---
JUN	114 000	DEC	---

TOTAL DISCHARGE, 354 000 dam³

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.50E	15.8	15.1	4.01	1.69	0.821	---	---	1
2	---	---	---	---	2.50E	14.7	11.7	3.73	1.68	1.13	---	---	2
3	---	---	---	---	2.20E	15.1	11.9	3.62	1.57	1.02	---	---	3
4	---	---	---	---	2.00E	14.5	12.6	3.51	1.54	0.893	---	---	4
5	---	---	---	---	2.00E	13.2	10.4	3.29	1.49	0.824	---	---	5
6	---	---	---	---	2.00E	12.8	8.85	3.16	1.40	0.836	---	---	6
7	---	---	---	---	1.80E	11.3	7.62	3.59	1.36	0.840	---	---	7
8	---	---	---	---	1.80E	9.82	6.71	4.36	1.30	0.848	---	---	8
9	---	---	---	---	2.00E	8.68	6.43	3.69	1.26	0.853	---	---	9
10	---	---	---	---	2.00E	7.95	6.26	3.33	1.24	0.814	---	---	10
11	---	---	---	---	2.00E	7.43	6.04	3.21	1.20	0.834	---	---	11
12	---	---	---	---	2.00E	7.17	6.05	3.13	1.19	0.831	---	---	12
13	---	---	---	---	2.50E	11.3	6.34	3.07	1.16	0.781	---	---	13
14	---	---	---	---	3.00E	11.8	6.29	2.96	1.13	0.813	---	---	14
15	---	---	---	---	5.07A	10.9	5.87	2.81	1.10	0.806	---	---	15
16	---	---	---	---	3.90	11.9	5.79	2.88	1.06	0.809	---	---	16
17	---	---	---	---	3.78	11.9	6.11	3.24	1.03	0.811	---	---	17
18	---	---	---	---	4.62	10.7	6.06	2.79	1.00	0.785	---	---	18
19	---	---	---	---	6.46	9.80	5.91	2.63	0.995	0.789	---	---	19
20	---	---	---	---	8.88	9.58	5.68	2.60	0.997	0.771	---	---	20
21	---	---	---	1.19B	14.3	9.74	5.35	2.43	0.993	0.549B	---	---	21
22	---	---	---	---	16.3	9.34	4.92	2.29	0.980	0.598B	---	---	22
23	---	---	---	---	18.8	8.97	5.21	2.18	0.954	0.778	---	---	23
24	---	---	---	---	22.2	8.32	5.17	2.09	0.901	0.738	---	---	24
25	---	---	---	---	25.4	8.98	6.09	1.99	0.939	0.727	---	---	25
26	---	---	---	---	32.6	11.3	5.20	1.93	0.959	0.817	---	---	26
27	---	---	---	---	27.7	13.0	4.84	1.91	0.917	0.774	---	---	27
28	---	---	---	---	22.9	10.9	4.78	1.83	0.919	0.793	---	---	28
29	---		---	---	18.2	10.6	5.12	1.76	0.889	0.775	---	---	29
30	---		---	1.64A	17.1	12.4	4.94	1.83	0.842	0.643A	---	---	30
31	---		---		17.0		4.38	1.75		0.640E		---	31
TOTAL	---	---	---	---	295.51	329.88	213.71	87.60	34.685	24.741	---	---	TOTAL
MEAN	---	---	---	---	9.53	11.0	6.89	2.83	1.16	0.798	---	---	MEAN
MAX	---	---	---	---	32.6	15.8	15.1	4.36	1.69	1.13	---	---	MAX
MIN	---	---	---	---	1.80	7.17	4.38	1.75	0.842	0.549	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 32.6 ON MAY 26

MAXIMUM INSTANTANEOUS,
36.8 AT 01:00 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 29 55 N
LONG 114 49 02 W
DRAINAGE AREA, 132 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 500
FEB	---	AUG	7 570
MAR	---	SEP	3 000
APR	---	OCT	2 140
MAY	25 500	NOV	---
JUN	28 500	DEC	---

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.95B	2.45B	3.28B	3.52	6.26	86.8	52.9	17.7	5.98	3.74	2.66	1.51B	1
2	6.86B	2.70B	3.60B	3.41	12.6	92.6	54.8	16.7	5.79	3.67	2.69	1.49B	2
3	4.06B	2.52B	3.65B	3.19	13.2	82.5	46.8	15.7	5.99	3.97	2.67	1.48B	3
4	3.55B	2.38B	3.97B	3.05	11.1	73.5	45.9	16.0	5.88	4.34	3.02	1.47B	4
5	3.78B	2.24B	4.02B	2.98	11.8	64.3	44.5	15.9	5.71	3.99	3.06	1.45B	5
6	3.75B	2.19B	3.85B	2.86	13.9	57.2	40.7	14.7	5.62	3.79	2.97	1.43B	6
7	3.90B	2.00B	3.77B	2.93	15.0	53.2	36.7	13.2	5.34	3.67	3.00	1.42B	7
8	3.99B	2.26B	3.56B	2.73	20.7	47.5	32.4	16.0	4.97	3.75	3.07	1.41B	8
9	3.85B	2.21B	3.80B	2.74	21.7	41.9	27.6	17.1	4.66	3.73	3.10	1.40B	9
10	3.83B	2.01B	4.10B	2.77	20.9	38.7	24.7	15.0	4.33	3.59	3.09	1.42B	10
11	3.69B	1.61B	3.98B	2.74	21.1	35.3	24.3	13.4	4.25	3.58	3.01	1.44B	11
12	3.46B	1.43B	4.00B	2.81	20.0	32.2	22.2	12.1	4.23	3.64	2.94	1.46B	12
13	3.75B	1.75B	3.93B	2.67	19.4	37.7	21.6	11.8	4.17	3.63	2.99	1.48B	13
14	3.74B	2.49B	3.89B	2.74	21.5	105	23.4	12.6	4.05	3.56	3.05	1.49B	14
15	3.43B	3.30B	4.02B	2.76	33.0	88.1	23.3	11.8	4.18	3.45	2.95	1.50B	15
16	2.99B	3.70B	4.26B	2.77	50.0	81.2	20.8	11.5	4.07	3.23	2.83	1.52B	16
17	2.32B	3.80B	4.26B	3.19	39.9	80.9	21.1	11.0	3.98	3.20	2.74	1.54B	17
18	2.25B	3.99B	3.88B	3.55	49.2	71.3	21.8	11.5	3.90	3.15	2.60B	1.56B	18
19	2.30B	3.92B	3.03B	3.74	66.4	61.9	20.8	10.2	3.81	3.09	2.50B	1.58B	19
20	2.69B	3.83B	2.55B	4.03	89.4	56.1	20.2	9.49	4.20	3.11	2.40B	1.60B	20
21	2.87B	3.53B	2.50B	4.85	111	53.2	20.2	9.18	3.86	3.09	2.30B	1.58B	21
22	2.94B	3.33B	2.60B	6.14	134	50.4	20.9	8.89	3.84	2.89	2.20B	1.56B	22
23	2.90B	3.50B	3.68B	6.15	134	46.9	21.0	8.36	3.89	2.62	2.10B	1.54B	23
24	2.90B	3.51B	3.43B	6.84	149	43.4	21.6	7.95	3.88	2.94	2.00B	1.52B	24
25	2.85B	3.45B	3.05B	9.51	151	39.8	24.4	7.88	3.82	2.96	1.90B	1.50B	25
26	2.85B	3.21B	4.00B	8.68	177	39.8	28.1	7.58	3.97	2.92	1.70B	1.47B	26
27	2.83B	3.39B	4.60B	7.53	163	48.6	23.6	7.14	4.06	2.99	1.54B	1.44B	27
28	2.38B	2.82B	6.30B	6.82	128	64.1	21.7	6.71	3.97	3.11	1.54B	1.41B	28
29	2.27B		3.81	6.62	99.4	53.7	21.0	6.35	3.88	2.94	1.54B	1.39B	29
30	2.61B		3.57	6.58	88.9	50.0	20.4	6.19	3.90	2.93	1.53B	1.38B	30
31	2.78B		3.56		86.2		18.9	6.12		2.79		1.38B	31
TOTAL	106.32	79.52	116.50	130.90	1 978.56	1 777.8	868.3	355.74	134.18	104.06	75.69	45.82	TOTAL
MEAN	3.43	2.84	3.76	4.36	63.8	59.3	28.0	11.5	4.47	3.36	2.52	1.48	MEAN
MAX	7.95	3.99	6.30	9.51	177	105	54.8	17.7	5.99	4.34	3.10	1.60	MAX
MIN	2.25	1.43	2.50	2.67	6.26	32.2	18.9	6.12	3.81	2.62	1.53	1.38	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.8
MAXIMUM DAILY, 177 ON MAY 26
MINIMUM DAILY, 1.38B ON DEC 30
MAXIMUM INSTANTANEOUS,
202 AT 13:15 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 58 N
LONG 113 51 23 W
DRAINAGE AREA, 2 340 km²

B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 190	JUL	75 000
FEB	6 870	AUG	30 700
MAR	10 100	SEP	11 600
APR	11 300	OCT	8 990
MAY	171 000	NOV	6 540
JUN	154 000	DEC	3 960

TOTAL DISCHARGE, 499 000 dam³

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.83B	4.09B	5.40B	7.50	9.58	148	74.6	34.3	10.4	6.25	5.31	3.30B	1
2	7.78B	4.10B	5.60B	6.82	16.6	159	80.1	32.2	10.0	6.02	5.26	3.18B	2
3	6.57B	4.32B	5.40B	6.14	20.2	140	67.4	31.5	9.96	6.20	4.97	3.00B	3
4	5.81B	3.96B	5.20B	5.79	17.3	119	66.2	30.4	9.79	6.81	4.86	2.87B	4
5	6.30B	3.89B	4.92B	5.41	18.0	102	65.0	30.3	9.52	6.56	4.83	2.73B	5
6	6.34B	3.48B	4.42B	5.24	23.5	89.8	58.3	27.5	9.49	6.14	4.73	2.62B	6
7	5.86B	2.72B	4.63B	5.09	28.4	82.8	52.5A	24.8	9.18	5.91	4.66	2.50B	7
8	5.46B	3.28B	4.41B	4.80	40.5	73.2	46.5E	32.5	8.90	6.08	4.77	2.43B	8
9	5.33B	3.48B	3.94B	4.73	48.6	62.5	40.5E	32.7	8.46	6.06	4.67	2.35B	9
10	4.79B	3.20B	4.60B	4.70	48.3	55.9	36.8E	27.7	7.86	5.95	4.69	2.25B	10
11	4.77B	2.33B	4.70B	4.53	48.2	49.2	36.2E	24.7	7.77	5.87	4.63	2.18B	11
12	4.45B	2.36B	5.21B	4.59	45.5	43.9	33.4E	22.7	7.52	5.91	4.61	2.08B	12
13	4.67B	2.42B	5.83B	4.47	42.7	51.4	32.4E	21.7	7.21	6.04	4.58	2.00B	13
14	4.89B	3.41B	5.82B	4.18	47.3	171	34.8A	22.2	6.94	5.90	4.55	1.91B	14
15	4.64B	5.00B	6.37B	4.47	64.9	143	35.2	21.2	6.72	5.73	4.51	1.90B	15
16	4.21B	6.54B	6.78B	4.48	97.4	129	32.1	20.6	6.70	5.59	4.46	1.90B	16
17	3.30B	8.23B	6.61B	4.90	84.0	124	33.2	21.4	6.57	5.45	4.08	1.94B	17
18	2.81B	7.23B	5.99B	5.40	106	110	33.6	21.8	6.34	5.45	3.59B	2.00B	18
19	3.09B	6.51B	5.38B	5.75	132	94.7	31.9	19.6	6.30	5.39	3.09B	2.05B	19
20	3.84B	6.17B	4.54B	6.14	174	84.7	31.3	18.1	7.67	5.34	3.10B	2.09B	20
21	4.38B	6.25B	3.41B	7.33	211	80.6	32.4	17.2	6.85	5.37	3.18B	2.07B	21
22	4.45B	6.20B	6.46B	9.18	238	75.0	33.2	16.9	6.54	5.20	3.20B	2.03B	22
23	5.07B	6.10B	7.81B	9.11	234	69.2	36.2	16.1	6.54	4.88	3.15B	1.99B	23
24	5.39B	5.70B	6.60B	9.48	248	63.6	37.4	15.2	6.49	5.30	3.09B	1.96B	24
25	5.45B	5.40B	5.13B	13.2	234	58.4	52.4	14.2	6.41	5.38	2.98B	1.94B	25
26	5.27B	5.10B	6.02B	12.4	265	58.4	54.6	12.8	6.50	5.33	2.90B	1.90B	26
27	4.70B	5.20B	6.38B	10.6	250	71.5	44.3	11.6	6.80	5.39	2.80B	1.86B	27
28	3.73B	5.30B	7.27B	9.60	197	88.8	39.4	11.2	6.62	5.47	2.94B	1.82B	28
29	3.75B		6.77	9.46	156	74.4	38.2	10.9	6.39	5.43	3.10B	1.78B	29
30	3.80B		7.63	9.81	144	70.1	38.5	10.8	6.36	5.39	3.25B	1.75B	30
31	4.37B		7.82		140		36.1	10.8		5.34		1.72B	31
TOTAL	155.10	131.97	177.05	205.30	3 429.98	2 743.1	1 364.7	665.8	228.80	177.13	120.54	68.10	TOTAL
MEAN	5.00	4.71	5.71	6.84	111	91.4	44.0	21.5	7.63	5.71	4.02	2.20	MEAN
MAX	9.83	8.23	7.82	13.2	265	171	80.1	34.3	10.4	6.81	5.31	3.30	MAX
MIN	2.81	2.33	3.41	4.18	9.58	43.9	31.3	10.8	6.30	4.88	2.80	1.72	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.9
MAXIMUM DAILY, 265 ON MAY 26
MINIMUM DAILY, 1.72B ON DEC 31
MAXIMUM INSTANTANEOUS,
307 AT 14:00 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 00 N
LONG 113 49 13 W
DRAINAGE AREA, 3 990 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 400	JUL	118 000
FEB	11 400	AUG	57 500
MAR	15 300	SEP	19 800
APR	17 700	OCT	15 300
MAY	296 000	NOV	10 400
JUN	237 000	DEC	5 880

TOTAL DISCHARGE, 818 000 dam³

HILDA LAKE NEAR COLD LAKE - STATION NO. 06AC003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	547.163	547.135	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	547.145	---	---	---	---	---	4
5	---	---	---	---	---	547.153	---	---	---	---	---	---	5
6	---	---	---	---	---	---	547.135	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	547.154	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	547.029	---	---	---	10
11	---	---	547.121	---	---	547.164	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	547.144	---	---	---	---	---	---	---	14
15	---	---	---	---	---	547.154	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	547.154	---	---	---	---	---	---	17
18	---	---	---	---	547.142	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	547.144	---	---	---	---	---	---	20
21	---	---	---	---	547.162	---	---	---	---	---	---	---	21
22	---	---	---	---	---	547.144	---	---	---	---	---	---	22
23	---	---	---	---	547.163	---	---	---	---	---	---	---	23
24	---	---	---	547.162	---	547.154	---	---	---	---	---	---	24
25	---	---	---	---	547.163	547.149	---	---	---	---	---	---	25
26	---	---	---	---	---	547.145	---	---	---	---	---	---	26
27	---	---	---	---	547.173	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	547.138	---	---	546.960	---	---	29
30	---		---	---	547.173	547.135	---	---	---	---	---	---	30
31	---		---		547.163		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 31 20 N
LONG 110 24 55 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.024B	6.59	0.954	0.830	0.190	0.008	0	---	---	1
2	---	---	0 B	0.053B	6.94	1.15	0.834	0.165	0	0.001	---	---	2
3	---	---	0 B	0.107B	6.02	1.03	0.686	0.138	0.001	0.001	---	---	3
4	---	---	0 B	0.264B	5.36	0.839	0.567	0.116	0	0.001	---	---	4
5	---	---	0 B	0.236B	4.79	0.732	0.424	0.079	0	0	---	---	5
6	---	---	0 B	0.409B	4.56	0.641	0.372	0.076	0.001E	0	---	---	6
7	---	---	0 B	0.330B	3.60	0.515	0.356	0.052	0.001E	0	---	---	7
8	---	---	0 B	0.254B	3.61	0.412	0.330	0.041	0.001E	0.002	---	---	8
9	---	---	0 B	0.281B	2.88	0.392	0.290	0.036	0.001E	0.002	---	---	9
10	---	---	0 B	0.106B	2.50	0.364	0.228	0.033	0.001	0.004	---	---	10
11	---	---	0 B	0.060B	2.27	0.251	0.166	0.030	0.001E	0.004	---	---	11
12	---	---	0 B	0.020B	2.14	0.269	0.153	0.021	0.001E	0.003	---	---	12
13	---	---	0 B	0.010B	1.85	0.370	0.113	0.014	0.001E	0.002	---	---	13
14	---	---	0 B	0.020B	1.61	0.317	0.111	0.010	0.001E	0.001	---	---	14
15	---	---	0 B	0.041B	1.37	0.325	0.099	0.006	0.001E	0	---	---	15
16	---	---	0 B	0.118B	1.27	0.570	0.089	0.004E	0.001E	0	---	---	16
17	---	---	0 B	0.234B	1.06	0.929	0.070	0.003E	0.001E	0	---	---	17
18	---	---	0 B	0.441B	0.964	1.38	0.061	0.002E	0.001E	0	---	---	18
19	---	---	0 B	0.654B	0.833	1.57	0.052	0.001E	0.004E	0	---	---	19
20	---	---	0 B	1.09 B	0.825	1.54	0.098	0	0.005	0 B	---	---	20
21	---	---	0 B	1.31 B	0.736	1.26	0.262	0	0.005	0 B	---	---	21
22	---	---	0 B	1.87 B	0.727	1.25	0.416	0	0.004E	0 B	---	---	22
23	---	---	0 B	1.49 B	0.788	1.13	0.354	0	0.004E	0 B	---	---	23
24	---	---	0.001B	1.92 B	0.798	1.02	0.276	0	0.003E	0.002B	---	---	24
25	---	---	0.001B	3.16 B	0.781	0.948	0.394	0	0.003E	0.002B	---	---	25
26	---	---	0.001B	3.59 B	0.715	0.860	0.284	0	0.002E	0.009B	---	---	26
27	---	---	0.005B	3.74 B	0.624	0.780	0.427	0	0.001E	0.004B	---	---	27
28	---	---	0.009B	4.02	0.613	0.816	0.412	0	0.001	0.005B	---	---	28
29	---		0.012B	4.67	0.526	0.843	0.377	0	0	0.005B	---	---	29
30	---		0.016B	5.57	0.623	0.830	0.284	0	0	0.005B	---	---	30
31	---		0.020B		0.700		0.246	0		0.005B		---	31
TOTAL	---	---	0.065	36.092	68.673	24.287	9.661	1.017	0.054	0.058	---	---	TOTAL
MEAN	---	---	0.002	1.20	2.22	0.810	0.312	0.033	0.002	0.002	---	---	MEAN
MAX	---	---	0.020	6.94	1.57	0.834	0.190	0.008	0.009	---	---	---	MAX
MIN	---	---	0	0.010	0.526	0.251	0.052	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.571
MAXIMUM DAILY, 6.94 ON MAY 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.16 AT 05:00 MST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 56 20 03 N
LONG 118 15 46 W
DRAINAGE AREA, 373 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	835
FEB	---	AUG	87.9
MAR	5.62	SEP	4.67
APR	3 120	OCT	5.01
MAY	5 930	NOV	---
JUN	2 100	DEC	---

TOTAL DISCHARGE, 12 100 dam³

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.50 B	8.20	1.38	0.778	0	0	0	---	---	1
2	---	---	0 B	3.68 B	8.25	1.38	0.622	0	0	0	---	---	2
3	---	---	0 B	3.66 B	8.23E	1.37	0.574	0	0	0	---	---	3
4	---	---	0 B	3.60 B	8.20	1.39	0.448	0	0	0	---	---	4
5	---	---	0 B	4.14 B	8.55	1.15	0.394	0	0	0	---	---	5
6	---	---	0 B	4.33 B	8.87	1.13	0.286	0	0	0	---	---	6
7	---	---	0 B	4.52 B	8.53	1.13	0.238	0	0	0	---	---	7
8	---	---	0 B	5.05 B	8.72	0.838	0.206	0	0	0	---	---	8
9	---	---	0 B	5.19 B	8.72	0.712	0.182	0	0	0	---	---	9
10	---	---	0.002B	1.97 B	8.78	0.670	0.150	0	0	0	---	---	10
11	---	---	0.009B	1.08 B	7.30E	0.574	0.136	0	0	0	---	---	11
12	---	---	0.020B	0.983B	5.81	0.514	0.126	0	0	0	---	---	12
13	---	---	0.028B	0.886B	5.53	0.422	0.070	0	0	0	---	---	13
14	---	---	0.042B	1.07 B	5.05	0.416E	0.050	0	0	0	---	---	14
15	---	---	0.221B	1.25 B	4.81	0.410	0.040	0	0	0	---	---	15
16	---	---	0.402B	3.90	4.81	0.402	0.036E	0	0	0	---	---	16
17	---	---	0.472B	4.07	4.77E	0.394	0.031	0	0	0	---	---	17
18	---	---	0.942B	4.17	4.73	0.366	0.025	0	0	0	---	---	18
19	---	---	0.976B	7.15	3.82	0.346	0.021E	0	0	0	---	---	19
20	---	---	1.01 B	9.11	3.06	0.314	0.017	0	0	0	---	---	20
21	---	---	0.712B	12.8	2.45	0.374	0.012	0	0	0	---	---	21
22	---	---	0.538B	11.5	2.41	0.610	0.008	0	0	0	---	---	22
23	---	---	0.412B	17.4	2.36	0.964E	0.006	0	0	0	---	---	23
24	---	---	0.286B	19.4	2.31	1.32	0.005E	0	0	0	---	---	24
25	---	---	0.562B	18.0	2.17	1.07	0.005	0	0	0	---	---	25
26	---	---	1.17 B	16.6	2.02	0.958	0.004	0	0	0	---	---	26
27	---	---	1.34 B	13.8	1.97	0.814	0.004	0	0	0	---	---	27
28	---	---	1.50 B	10.4	1.83	0.894E	0.003	0	0	0	---	---	28
29	---		2.19 B	8.15	1.55	0.974	0.002E	0	0	0	---	---	29
30	---		2.54 B	8.20	1.37	0.894	0.001E	0	0	0	---	---	30
31	---		2.89 B		1.33		0	0		0		---	31
TOTAL	---	---	18.264	209.559	156.51	24.180	4.480	0	0	0	---	---	TOTAL
MEAN	---	---	0.589	6.99	5.05	0.806	0.145	0	0	0	---	---	MEAN
MAX	---	---	2.89	19.4	8.87	1.39	0.778	0	0	0	---	---	MAX
MIN	---	---	0	0.886	1.33	0.314	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 1.69
MAXIMUM DAILY, 19.4 ON APR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
19.6 AT 21:00 MST ON APR 23

TYPE OF GAUGE - MANUAL
LOCATION - LAT 56 04 05 N
LONG 118 39 35 W
DRAINAGE AREA, 1 240 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	387
FEB	---	AUG	0
MAR	1 580	SEP	0
APR	18 100	OCT	0
MAY	13 500	NOV	---
JUN	2 090	DEC	---

TOTAL DISCHARGE, 35 700 dam³

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.034B	0.043	0.016	0.001	0	0	0	0B	---	1
2	---	---	---	0.039B	0.038	0.010	0.001	0	0	0	0B	---	2
3	---	---	---	0.049B	0.035	0.009	0	0	0	0	0B	---	3
4	---	---	---	0.053B	0.033	0.009	0	0	0	0	0B	---	4
5	---	---	0 B	0.066B	0.029	0.007	0	0	0	0	0B	---	5
6	---	---	---	0.077B	0.028	0.007	0	0	0	0	0B	---	6
7	---	---	---	0.087B	0.029	0.006	0	0	0	0	0B	0B	7
8	---	---	---	0.097B	0.030	0.005	0	0	0	0	0B	---	8
9	---	---	0 B	0.092B	0.030	0.005	0	0	0	0	0B	---	9
10	---	---	0 B	0.092B	0.029	0.004	0	0	0	0	0B	---	10
11	---	---	---	0.080B	0.025	0.004	0	0	0	0	0B	---	11
12	---	---	---	0.078B	0.023	0.004	0	0	0	0	0B	---	12
13	---	---	---	0.066B	0.021	0.003	0	0	0	0	0B	---	13
14	---	---	---	0.047B	0.020	0.003	0	0	0	0	0B	0B	14
15	---	---	---	0.060B	0.017	0.003	0	0	0	0	0B	---	15
16	---	---	---	0.054B	0.015	0.003	0	0	0	0	0B	---	16
17	---	---	---	0.059B	0.013	0.003	0	0	0	0	0B	---	17
18	---	---	---	0.067B	0.013	0.002	0	0	0	0	0B	---	18
19	---	---	---	0.080B	0.012	0.002	0	0	0	0B	---	---	19
20	---	---	---	0.106B	0.011	0.002	0	0	0	0B	---	---	20
21	---	---	---	0.114B	0.010	0.002	0.004	0	0	0B	---	---	21
22	---	---	---	0.102B	0.011	0.002	0.004	0	0	0B	---	---	22
23	---	---	---	0.098B	0.019	0.001	0.002	0	0	0B	0B	---	23
24	---	---	---	0.103B	0.015	0.001	0.001	0	0	0B	---	---	24
25	---	---	0.001B	0.160B	0.011	0.001	0.001	0	0	0B	---	---	25
26	---	---	---	0.077B	0.012	0.001	0.001	0	0	0B	---	---	26
27	---	---	0.015B	0.058B	0.012	0.001	0.001	0	0	0B	---	---	27
28	---	---	0.015B	0.054B	0.012	0.001	0	0	0	0B	---	---	28
29	---		0.030B	0.048B	0.010	0.001	0	0	0	0B	---	---	29
30	---		0.039B	0.044B	0.008	0.001	0	0	0	0B	0B	---	30
31	---		0.038B		0.014		0	0		0B		---	31
TOTAL	---	---	---	2.241	0.628	0.119	0.016	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.075	0.020	0.004	0.001	0	0	0	---	---	MEAN
MAX	---	---	---	0.160	0.043	0.016	0.004	0	0	0	---	---	MAX
MIN	---	---	---	0.034	0.008	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MAXIMUM DAILY, 0.160B ON APR 25
MINIMUM DAILY, 0B ON MAR 5
MAXIMUM INSTANTANEOUS,
0.198 AT 03:15 MST ON APR 25

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 19 N
LONG 117 48 47 W
DRAINAGE AREA, 5.44 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.38
FEB	---	AUG	0
MAR	---	SEP	0
APR	194	OCT	0
MAY	54.3	NOV	---
JUN	10.3	DEC	---

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07OB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.389	0.013	0.002	0.002	0	0	---	---	1
2	---	---	0B	0 B	0.461	0.013	0.001	0.004	0	0	---	---	2
3	---	---	0B	0 B	0.466	0.009	0.001	0.004	0	0	---	---	3
4	---	---	0B	0 B	0.443	0.011	0.001	0.002	0	0	---	---	4
5	---	---	0B	0 B	0.453	0.010	0	0.001	0	0	---	---	5
6	---	---	0B	0 B	0.376	0.009	0	0	0	0	---	---	6
7	---	---	0B	0 B	0.296	0.024	0	0	0	0	---	---	7
8	---	---	0B	0 B	0.234	0.016	0	0	0	0	---	---	8
9	---	---	0B	0 B	0.197	0.017	0	0	0	0.007	---	---	9
10	---	---	0B	0 B	0.175	0.019	0	0	0	0.011	---	---	10
11	---	---	0B	0 B	0.156	0.022	0	0	0	0.008	---	---	11
12	---	---	0B	0 B	0.137	0.022	0	0	0	0.005	---	---	12
13	---	---	0B	0 B	0.127	0.022	0.027	0	0	0.004	---	---	13
14	---	---	0B	0 B	0.118	0.019	0.032	0	0	0.004	---	---	14
15	---	---	0B	0 B	0.106	0.014	0.037	0	0	0.003	---	---	15
16	---	---	0B	0 B	0.099	0.013	0.056	0	0	0.004	---	---	16
17	---	---	0B	0 B	0.096	0.011	0.054	0	0	0.004	---	---	17
18	---	---	0B	0 B	0.086	0.010	0.050	0	0	0.005	---	---	18
19	---	---	0B	0 B	0.077	0.008	0.045	0	0	0.005	---	---	19
20	---	---	0B	0 B	0.088	0.008	0.043	0	0	0.004	---	---	20
21	---	---	0B	0.001B	0.052	0.007	0.038	0	0	0.004B	---	---	21
22	---	---	0B	0.002B	0.051	0.008	0.022	0	0	0.003B	---	---	22
23	---	---	0B	0.002B	0.046	0.007	0.022	0	0	0.003B	---	---	23
24	---	---	0B	0.016B	0.050	0.006	0.015	0	0	0.003B	---	---	24
25	---	---	0B	0.050B	0.105	0.008	0.011	0	0	0.003B	---	---	25
26	---	---	0B	0.086E	0.015	0.007	0.010	0	0	0.002B	---	---	26
27	---	---	0B	0.125E	0.016	0.009	0.009	0	0	0.002B	---	---	27
28	---	---	0B	0.166E	0.014	0.005	0.006	0	0	0.002B	---	---	28
29	---		0B	0.208A	0.015	0.003	0.004	0	0	0.002B	---	---	29
30	---		0B	0.235	0.014	0.004	0.002	0	0	0.002B	---	---	30
31	---		0B		0.013		0.002	0		0.0029		---	31
TOTAL	---	---	0	0.891	4.931	0.354	0.490	0.013	0	0.092	---	---	TOTAL
MEAN	---	---	0	0.030	0.159	0.012	0.016	0	0	0.003	---	---	MEAN
MAX	---	---	0	0.235	0.466	0.024	0.056	0.004	0	0.011	---	---	MAX
MIN	---	---	0	0	0.013	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 0.466 ON MAY 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.582 AT 10:30 MST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 43 00 N
LONG 117 14 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42.3
FEB	---	AUG	1.12
MAR	0	SEP	0
APR	77.0	OCT	7.95
MAY	426	NOV	---
JUN	30.6	DEC	---

TOTAL DISCHARGE, 585 dam³

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07GG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.678B	3.45B	25.2	51.0	4.56	9.46	0.315	0.441	---	---	1
2	---	---	0.626B	4.17B	24.7	80.4	4.23	8.05	0.409	0.405	---	---	2
3	---	---	0.603B	4.62B	23.4	72.9	3.90	6.98	0.392	0.359	---	---	3
4	---	---	0.608B	5.23B	22.2	57.4	3.57	5.96	0.621	0.372	---	---	4
5	---	---	0.641B	5.09B	20.7	43.8	3.23	4.99	0.670	0.375	---	---	5
6	---	---	0.643B	4.74B	19.0	33.8	3.11	4.18	0.567	0.330	---	---	6
7	---	---	0.623B	4.71B	18.3	28.4	2.79	3.50	0.529	0.317	---	---	7
8	---	---	0.586B	4.47B	18.6	25.9	2.50	2.99	0.482	0.355	---	---	8
9	---	---	0.597B	5.14B	19.4	22.5	2.32	2.51	0.425	0.442	---	---	9
10	---	---	0.598B	4.36B	19.2	19.5	2.09	2.01	0.394	0.411	---	---	10
11	---	---	0.634B	3.43B	19.2	17.5	1.95	1.69	0.328	0.459	---	---	11
12	---	---	0.650B	2.90B	18.6	16.9	1.84	1.39	0.278	0.656	---	---	12
13	---	---	0.678B	3.10B	17.2	17.7	1.69	1.11	0.250	0.553	---	---	13
14	---	---	0.746B	2.74B	15.6	17.5	1.53	1.00	0.227	0.557	---	---	14
15	---	---	0.786B	2.21B	14.8	16.0	1.50	0.807	0.199	0.537	---	---	15
16	---	---	1.12 B	2.58B	13.9	14.2	1.60	0.750	0.180	0.511	---	---	16
17	---	---	1.61 B	2.82B	12.9	12.7	1.91	0.704	0.175	0.501	---	---	17
18	---	---	1.75 B	3.96B	12.2	11.7	2.14	0.650	0.172	0.480	---	---	18
19	---	---	1.74 B	6.70B	11.5	10.9	1.88	0.547	0.187	0.500	---	---	19
20	---	---	1.11 B	11.4 B	10.9	10.1	1.68	0.500	0.206	0.508	---	---	20
21	---	---	0.830B	20.2 B	10.6	9.48	1.90	0.455	0.209	0.488	---	---	21
22	---	---	0.730B	25.7	11.1	9.09	3.63	0.447	0.188	0.518B	---	---	22
23	---	---	0.630B	28.3	13.8	8.53	12.1	0.413	0.189	0.450	---	---	23
24	---	---	0.700B	32.2	16.3	7.90	18.4	0.384	0.208	0.453	---	---	24
25	---	---	0.900B	41.0	17.2	7.26	14.1	0.445	0.411	0.474	---	---	25
26	---	0.955B	1.51 B	42.7	17.6	6.80	10.7	0.371	0.509	0.474	---	---	26
27	---	0.835B	1.87 B	34.6	17.1	6.26	8.12	0.385	0.421	0.510B	---	---	27
28	---	0.782B	2.18 B	30.4	19.8	5.59	6.94	0.329	0.409	0.560A	---	---	28
29	---		2.65 B	28.8	27.9	5.11	6.32	0.362	0.393	0.560E	---	---	29
30	---		2.71 B	26.9	30.5	4.82	6.48	0.404	0.440	0.560E	---	---	30
31	---		2.68 B		28.1		8.82	0.351		0.560E		---	31
TOTAL	---	---	34.417	398.62	567.5	651.64	147.53	64.124	10 383	14.676	---	---	TOTAL
MEAN	---	---	1.11	13.3	18.3	21.7	4.76	2.07	0.346	0.473	---	---	MEAN
MAX	---	---	2.71	42.7	30.5	80.4	18.4	9.46	0.670	0.656	---	---	MAX
MIN	---	---	0.586	2.21	10.6	4.82	1.50	0.329	0.172	0.317	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.71
MAXIMUM DAILY, 80.4 ON JUN 2
MINIMUM DAILY, 0.172 ON SEP 18
MAXIMUM INSTANTANEOUS,
83.6 AT 16:00 MST ON JUN 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 44 43 N
LONG 117 09 04 W
DRAINAGE AREA, 1 960 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12 700
FEB	---	AUG	5 540
MAR	2 970	SEP	897
APR	34 400	OCT	1 270
MAY	49 000	NOV	---
JUN	56 300	DEC	---

TOTAL DISCHARGE, 163 000 dam³

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.061B	4.10 B	0.391	0.176	0.033	0.017	0.005	0.001	0.001	---	1
2	---	---	0.060B	3.85 B	0.383	0.160	0.035	0.016	0.004	0.001	0.002	---	2
3	---	---	0.059B	3.82 B	0.382	0.135	0.030	0.014	0.003	0.001	---	---	3
4	---	---	0.057B	3.58 B	0.340	0.121	0.028	0.020	0.002	0.001	---	---	4
5	---	---	0.057B	3.47	0.303	0.120	0.041	0.021	0.002	0.001	---	---	5
6	---	---	0.053B	3.48	0.314	0.126	0.149	0.021	0.002	0.001	---	---	6
7	---	---	0.053B	3.33	0.348	0.166	0.137	0.018	0.002	0.001	---	---	7
8	---	---	0.053B	3.34	0.343	0.300	0.133	0.016	0.002	0.001	---	---	8
9	---	---	0.054B	3.14	0.298	0.258	0.128	0.402	0.001	0.001	---	---	9
10	---	---	0.065B	2.89	0.328	0.218	0.112	1.25	0.001	0.001	---	---	10
11	---	---	0.090B	2.68	0.343	0.159	0.085	0.932	0.001	0.001	---	---	11
12	---	---	0.113B	2.42	0.329	0.152	0.059	0.680	0.001	0.001	---	---	12
13	---	---	0.122B	2.12	0.356	0.145	0.053	0.460	0.001	0.001	---	---	13
14	---	---	0.155B	1.81	0.290	0.122	0.047	0.330	0.001	0.001	---	---	14
15	---	---	0.195B	1.72	0.269	0.101	0.042	0.240	0.001	0.001	---	---	15
16	---	---	0.368B	1.56	0.257	0.080	0.039	0.155	0.001	0.001	---	---	16
17	---	---	0.392B	1.41	0.267	0.074	0.029	0.093	0.001	0.001	---	---	17
18	---	---	0.942B	1.37	0.321	0.073	0.029	0.065	0.001	0.001	---	---	18
19	---	---	1.54 B	1.30	0.316	0.065	0.031	0.036	0.001	0.001	---	---	19
20	---	---	1.63 B	1.14	0.299	0.046	0.017	0.025	0.001	0.001	---	---	20
21	---	---	1.42 B	1.07	0.283	0.063	0.022	0.022	0.001	0.001	---	---	21
22	---	---	0.784B	1.03	0.253	0.071	0.021	0.018	0.001	0.001	---	---	22
23	---	---	0.596B	0.940	0.215	0.058	0.023	0.013	0.001	0.001	---	---	23
24	---	---	0.702B	0.876	0.202	0.053	0.027	0.011	0.001	0.001	---	---	24
25	---	---	1.04 B	0.844	0.211	0.054	0.021	0.012	0.001	0.001	---	---	25
26	---	---	1.75 B	0.751	0.206	0.044	0.015	0.010	0.001	0.001	---	---	26
27	---	---	2.72 B	0.677	0.186	0.043	0.010	0.008	0.001	0.001	---	---	27
28	---	---	3.03 B	0.598	0.172	0.039	0.008	0.006	0.001	0.001	---	---	28
29	---		3.68 B	0.501	0.180	0.034	0.016	0.005	0.001	0.001	---	---	29
30	---		4.07 B	0.408	0.188	0.031	0.017	0.004	0.001	0.001	---	---	30
31	---		4.00 B		0.182		0.018	0.004		0.001		---	31
TOTAL	---	---	29.911	60.225	8.755	3.287	1.455	4.924	0.044	0.031	---	---	TOTAL
MEAN	---	---	0.965	2.01	0.282	0.110	0.047	0.159	0.001	0.001	---	---	MEAN
MAX	---	---	4.07	4.10	0.391	0.300	0.149	1.25	0.005	0.001	---	---	MAX
MIN	---	---	0.053	0.408	0.172	0.031	0.008	0.004	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.443
MAXIMUM DAILY, 4.10B ON APR 1
MINIMUM DAILY, 0.001 ON SEP 9
MAXIMUM INSTANTANEOUS,
4.47 AT 11:40 MST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 42 28 N
LONG 111 18 36 W
DRAINAGE AREA, 3 500 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	126
FEB	---	AUG	425
MAR	2 580	SEP	3.80
APR	5 200	OCT	2.68
MAY	756	NOV	---
JUN	284	DEC	---

TOTAL DISCHARGE, 9 380 dam³

IRON CREEK NEAR VIKING - STATION NO. 05FB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.252	0	0	0	0	0	0	0	---	1
2	---	---	0 B	0.312	0	0	0	0	0	0	0	---	2
3	---	---	0 B	0.320	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.268	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.226	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.219	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.216	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.193	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.151	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.128	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.115	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.095	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.084	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.074	0	0	0	0	0	0	---	---	14
15	---	---	0.116B	0.073	0	0	0	0	0	0	---	---	15
16	---	---	0.378B	0.064	0	0	0	0	0	0	---	---	16
17	---	---	0.671B	0.052	0	0	0	0	0	0	---	---	17
18	---	---	0.772B	0.042	0	0	0	0	0	0	---	---	18
19	---	---	0.738B	0.035	0	0	0	0	0	0	---	---	19
20	---	---	0.649B	0.026	0	0	0	0	0	0	---	---	20
21	---	---	0.280B	0.019	0	0	0	0	0	0	---	---	21
22	---	---	0.090B	0.013	0	0	0	0	0	0	---	---	22
23	---	---	0.108B	0.010	0	0	0.066	0	0	0	---	---	23
24	---	---	0.140B	0.007	0	0	0.025	0	0	0	---	---	24
25	---	---	0.253B	0.004	0	0	0.006	0	0	0	---	---	25
26	---	---	0.412B	0.002	0	0	0.001	0	0	0	---	---	26
27	---	---	0.572B	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.459	0	0	0	0	0	0	0	---	---	28
29	---		0.426	0	0	0	0	0	0	0	---	---	29
30	---		0.364	0	0	0	0	0	0	0	---	---	30
31	---		0.297		0		0	0		0		---	31
TOTAL	---	---	6.725	3.001	0	0	0.098	0	0	0	---	---	TOTAL
MEAN	---	---	0.217	0.100	0	0	0.003	0	0	0	---	---	MEAN
MAX	---	---	0.772	0.320	0	0	0.066	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.040
MAXIMUM DAILY, 0.772B ON MAR 18
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 00 58 N
LONG 111 54 07 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.47
FEB	---	AUG	0
MAR	581	SEP	0
APR	259	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 848 dam³

ISLE LAKE AT EUREKA BEACH - STATION NO. 05EA008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	729.762	729.789	729.812E	729.962	729.900	729.789	---	---	1
2	---	---	---	---	729.747	729.807	729.810	729.964	729.898	729.785	729.710	---	2
3	---	---	---	---	729.737	729.817	729.805	729.970	729.885	729.782	---	---	3
4	---	---	---	---	729.762	729.823	729.805	729.971	729.880	729.776	---	---	4
5	---	---	---	---	729.757	729.823	729.795	729.970	729.883	729.771	---	---	5
6	---	---	---	---	729.747	729.823	729.796	729.972	729.873	729.768	---	---	6
7	---	---	---	---	729.767	729.828	729.795E	729.968	729.873	729.760	---	---	7
8	---	---	---	---	729.772	729.823	729.793E	729.966	729.865	729.773	---	---	8
9	---	---	---	729.786	729.767	729.823	729.791	729.964	729.862	729.778	---	---	9
10	---	---	---	---	729.767	729.819	729.787	729.959	729.860	729.773	---	---	10
11	---	---	---	---	729.770	729.829	729.785	729.956	729.850	729.773	---	---	11
12	---	---	---	---	729.771	729.825	729.777	729.955	729.844	729.770	---	---	12
13	---	---	---	---	729.771	729.830	729.777	729.945	729.841	729.760	---	---	13
14	---	---	---	---	729.771E	729.832	729.778	729.940	729.833	729.758	---	---	14
15	---	---	---	---	729.773E	729.830	729.798	729.940	729.826	729.757	---	---	15
16	---	---	---	---	729.773	729.833	729.798	729.948	729.819	729.756	---	---	16
17	---	---	---	---	729.767	729.835	729.798	729.942	729.820	729.753	---	---	17
18	---	---	---	---	729.773	729.836	729.799	729.938	729.819	729.748	---	---	18
19	---	---	---	---	729.774	729.833	729.799	729.936	729.822E	729.746	---	---	19
20	---	---	---	---	729.769	729.836	729.794	729.937	729.825E	729.742E	---	---	20
21	---	---	---	---	729.769	729.833	729.799	729.937	729.830	729.738	---	---	21
22	---	---	---	---	729.774	729.832	729.850	729.933	729.830	729.733	---	---	22
23	---	---	---	---	729.765	729.830	729.878	729.929	729.825	729.730	---	---	23
24	---	---	---	---	729.769	729.831E	729.888	729.923	729.821	729.728	---	---	24
25	---	---	---	---	729.761	729.831	729.890	729.913	729.824	729.728	---	---	25
26	---	---	---	---	729.759	729.823	729.890	729.910	729.816	729.726	---	---	26
27	---	---	---	---	729.759	729.823E	729.889	729.898	729.806	729.724	---	---	27
28	---	---	---	---	729.768	729.824E	729.901	729.902E	729.803	729.726	---	---	28
29	---		---	---	729.776	729.824	729.911	729.904E	729.801	729.726	---	---	29
30	---		---	---	729.778	729.814	729.936	729.907E	729.793	729.724	---	---	30
31	---		---		729.779		729.957	729.909		729.718		---	31
MEAN	---	---	---	---	729.766	729.825	729.828	729.941	729.841	729.752	---	---	MEAN
MAX	---	---	---	---	729.779	729.836	729.957	729.972	729.900	729.789	---	---	MAX
MIN	---	---	---	---	729.737	729.789	729.777	729.898	729.793	729.718	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 37 22 N
LONG 114 42 01 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.170B	0.627B	0.779	0.212	0.090	0.115	0.007	0.006	---	---	1
2	---	---	0.170B	0.540B	0.744	0.281	0.093	0.120	0.013	0.002	---	---	2
3	---	---	0.170B	0.495B	0.711	0.301	0.086	0.137	0.018	0.002	---	---	3
4	---	---	0.170B	0.509B	0.686	0.267	0.040	0.152	0.012	0.005	---	---	4
5	---	---	0.170B	0.526B	0.639	0.238	0.028	0.150	0.011	0.005	---	---	5
6	---	---	0.175B	0.539B	0.587	0.228	0.043A	0.154	0.008	0.001	---	---	6
7	---	---	0.175B	0.515B	0.588	0.250	0.062E	0.152	0.007	0.002	---	---	7
8	---	---	0.175B	0.486B	0.540	0.240	0.088E	0.121	0.006	0.003E	---	---	8
9	---	---	0.180B	0.600B	0.508	0.225	0.090E	0.066	0.003	0.003E	---	---	9
10	---	---	0.180B	0.578B	0.502	0.176	0.086E	0.039	0.002	0.004E	---	---	10
11	---	---	0.180B	0.499B	0.469	0.117	0.080E	0.075	0.003	0.004E	---	---	11
12	---	---	0.182B	0.460B	0.463	0.048	0.076E	0.108	0.004	0.004E	---	---	12
13	---	---	0.182B	0.749B	0.426	0.039E	0.070E	0.126	0.002E	0.004E	---	---	13
14	---	---	0.181B	0.957B	0.404	0.028E	0.074E	0.123	0.002E	0.004E	---	---	14
15	---	---	0.183B	1.15 B	0.406	0.037	0.076	0.097	0.001E	0.005E	---	---	15
16	---	---	0.183B	1.02 B	0.359	0.036E	0.078	0.081	0.001E	0.006E	---	---	16
17	---	---	0.231B	1.01 B	0.329	0.034E	0.073	0.086	0.001E	0.006E	---	---	17
18	---	---	0.315B	1.06 B	0.347	0.072	0.071	0.130	0.002	0.006E	---	---	18
19	---	---	0.337B	1.16 B	0.344	0.044E	0.074	0.121	0.003	0.006E	---	---	19
20	---	---	0.265B	1.02	0.345	0.046E	0.088	0.110	0.002	0.006E	---	---	20
21	---	---	0.251B	0.996	0.335	0.049E	0.096	0.096	0.002	0.007E	---	---	21
22	---	---	0.230B	0.968	0.318	0.053E	0.092	0.082	0.002	0.005B	---	---	22
23	---	---	0.222B	0.971	0.323	0.057E	0.123	0.068	0.001	0.005B	---	---	23
24	---	---	0.224B	0.987	0.291	0.060E	0.105	0.049	0.004	0.005B	---	---	24
25	---	---	0.247B	0.972	0.250	0.054	0.084	0.035	0.012	0.006B	---	---	25
26	---	---	0.297B	0.908	0.246	0.047	0.086	0.025	0.008	0.006B	---	---	26
27	---	---	0.338B	0.859	0.232	0.050	0.091	0.019	0.003	0.007B	---	---	27
28	---	---	0.688B	0.856	0.235	0.065	0.098	0.013	0.003	0.007B	---	---	28
29	---		0.713B	0.833	0.235	0.075	0.091	0.009	0.004	0.007B	---	---	29
30	---		0.603B	0.805	0.236	0.088	0.111	0.012	0.005	0.007B	---	---	30
31	---		0.657B		0.236		0.142	0.007		0.007B		---	31
TOTAL	---	---	8.444	23.655	13.113	3.517	2.575	2.678	0.152	0.153	---	---	TOTAL
MEAN	---	---	0.272	0.789	0.423	0.117	0.083	0.086	0.005	0.005	---	---	MEAN
MAX	---	---	0.713	1.16	0.779	0.301	0.142	0.154	0.018	0.007	---	---	MAX
MIN	---	---	0.170	0.460	0.232	0.028	0.028	0.007	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.222
MAXIMUM DAILY, 1.16B ON APR 19
MINIMUM DAILY, 0.001E ON SEP 15
MAXIMUM INSTANTANEOUS,
1.60B AT 09:50 MST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 30 N
LONG 110 41 10 W
DRAINAGE AREA, 495 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	222
FEB	---	AUG	231
MAR	730	SEP	13.1
APR	2 040	OCT	13.2
MAY	1 130	NOV	---
JUN	304	DEC	---

TOTAL DISCHARGE, 4 680 dam³

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	8.86B	0.906	0.294E	0.042	0.001	0.001	---	---	1
2	---	---	0B	0 B	8.75	0.785	0.288A	0.037	0.003	0.001	---	---	2
3	---	---	0B	0 B	8.67	0.715	0.240	0.035	0.003	0.001	---	---	3
4	---	---	0B	0 B	8.94	0.607	0.195	0.030	0.003	0.001	---	---	4
5	---	---	0B	0 B	9.07	0.643	0.164	0.028	0.002	0.001	---	---	5
6	---	---	0B	0 B	8.63	0.635	0.141	0.023	0.002	0.001	---	---	6
7	---	---	0B	0 B	8.10	0.718	0.125	0.019	0.002	0.001	---	---	7
8	---	---	0B	0 B	7.55	0.893	0.116	0.015	0.002	0.004	---	---	8
9	---	---	0B	0 B	6.94	1.08	0.079	0.010	0.001	0.025	---	---	9
10	---	---	0B	0 B	6.40	1.02	0.060	0.008	0.001	0.047	---	---	10
11	---	---	0B	0 B	6.02	0.921	0.074	0.007	0.001	0.135	---	---	11
12	---	---	0B	0 B	5.64	0.802	0.075	0.007	0	0.294	---	---	12
13	---	---	0B	0 B	5.18	0.724	0.064	0.007	0	0.297	---	---	13
14	---	---	0B	0 B	4.73	0.657	0.147	0.011	0	0.277	---	---	14
15	---	---	0B	0 B	4.24	0.589	0.304	0.016	0	0.296	---	---	15
16	---	---	0B	0 B	3.82	0.555	0.240	0.011	0	0.337	---	---	16
17	---	---	0B	0 B	3.50	0.505	0.153	0.008	0	0.400	---	---	17
18	---	---	0B	0 B	3.18	0.465	0.103	0.006	0	0.514	---	---	18
19	---	---	0B	0.001B	2.91	0.410	0.060	0.004	0	0.640	---	---	19
20	---	---	0B	0.005B	2.70	0.391	0.038	0.003	0	0.755	---	---	20
21	---	---	0B	0.010B	2.44	0.364	0.036	0.002	0	0.773	---	---	21
22	---	---	0B	0.050B	2.21	0.380	0.030	0.002	0.001	0.630B	---	---	22
23	---	---	0B	0.423B	2.06	0.374	0.074	0.001	0.001	0.487B	---	---	23
24	---	0B	0B	3.04 B	1.93	0.309	0.070	0.001	0.001	0.375B	---	---	24
25	---	0B	0B	5.43 B	1.78	0.329A	0.035	0.001	0.001	0.317B	---	---	25
26	---	0B	0B	7.26 B	1.65	0.323E	0.043	0	0.001	0.282B	---	---	26
27	---	0B	0B	7.68 B	1.51	0.317E	0.022	0	0.001	0.209B	---	---	27
28	---	0B	0B	7.10 B	1.36	0.311E	0.012	0	0.001	0.173B	---	---	28
29	---		0B	8.26 B	1.22	0.306E	0.019	0	0.001	0.150B	---	---	29
30	---		0B	8.72 B	1.10	0.300E	0.026	0	0.001	0.125B	---	---	30
31	---		0B		1.00		0.040	0		0.100B		---	31
TOTAL	---	---	0	47.979	142.09	17.334	3.367	0.334	0.030	7.649	---	---	TOTAL
MEAN	---	---	0	1.60	4.58	0.578	0.109	0.011	0.001	0.247	---	---	MEAN
MAX	---	---	0	8.72	9.07	1.08	0.304	0.042	0.003	0.773	---	---	MAX
MIN	---	---	0	0	1.00	0.300	0.012	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.893
MAXIMUM DAILY, 9.07 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.0B AT 00:30 MST ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 11 35 N
LONG 115 45 00 W
DRAINAGE AREA, 562 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	291
FEB	---	AUG	28.9
MAR	0	SEP	2.59
APR	4 150	OCT	661
MAY	12 300	NOV	---
JUN	1 500	DEC	---

TOTAL DISCHARGE, 18 900 dam³

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.07 B	0.740B	2.19	17.4	5.72	55.6	4.53	3.20	---	---	1
2	---	---	1.12 B	0.720B	2.33	16.7	6.96	43.1	5.12	3.25	---	---	2
3	---	---	1.20 B	0.700B	2.40	14.9	5.84	41.0	5.30	3.25	---	---	3
4	---	---	1.10 B	0.680B	2.28	13.6	5.13	41.8	4.85	3.21	---	---	4
5	---	---	0.780B	0.660B	2.29	11.2	4.79	36.0	5.95	3.07	---	---	5
6	---	---	0.670B	0.660B	2.69	9.91	4.61	30.1	6.20	3.00	---	---	6
7	---	---	0.700B	0.680B	3.03	8.99	4.71	25.2	5.11	2.99	---	---	7
8	---	---	0.770B	0.700B	4.63	8.69	5.26	22.3	4.51	3.01	---	---	8
9	---	---	0.900B	0.730B	9.22	10.2	4.74	19.1	4.21	3.00	---	---	9
10	---	---	1.08 B	0.760B	17.6	10.1	4.47	16.0	3.92	2.98	---	---	10
11	---	---	1.16 B	0.800B	23.1	10.8	4.30	13.8	3.70	3.08	---	---	11
12	---	---	1.01 B	0.860B	22.9	11.3	4.13	11.9	3.60	3.14	---	---	12
13	---	---	1.01 B	0.970B	19.0	11.1	3.98	10.6	3.48	3.07	---	---	13
14	---	---	1.02 B	1.10 B	17.4	19.0	12.0	9.48	3.37	3.12	---	---	14
15	---	---	1.09 B	1.30 B	33.0	17.3	48.0	8.84	3.31	3.25	---	---	15
16	---	---	1.16 B	1.55 B	32.8	13.5	36.6	9.96	3.22	3.18	---	---	16
17	---	---	1.15 B	1.80 B	30.3	12.1	24.4	8.60	3.12	3.15	---	---	17
18	---	---	1.01 B	2.00 B	30.4	11.3	16.9	7.87	3.10	3.10	---	---	18
19	---	---	0.880B	2.25 B	28.7	10.1	14.0	7.11	3.16	3.01	---	---	19
20	---	---	0.900B	2.50	25.5	9.07	24.7	6.47	4.23	2.98	---	---	20
21	---	---	0.960B	2.65	29.1	8.24	20.5	6.13	4.36	2.88	---	---	21
22	---	---	1.05 B	2.57	40.9	7.86	28.3	5.88	3.83	2.81	---	---	22
23	---	---	1.15 B	2.61	35.8	7.38	33.7	5.41	3.72	2.82	---	---	23
24	---	---	1.26 B	2.79	32.5	7.08	57.2	4.99	3.67	2.89	---	---	24
25	---	---	1.31 B	2.85	29.0	6.54	50.8	4.78	3.63	3.11	---	---	25
26	---	0.955B	1.32 B	2.50	24.8	5.95	35.7	4.49	3.71	3.19	---	---	26
27	---	0.980B	1.26 B	2.27	21.2	6.02	28.1	4.29	3.61	3.17	---	---	27
28	---	1.02 B	1.12 B	2.20	18.5	6.21	26.6	4.40	3.52	3.13	---	---	28
29	---		0.950B	2.11	16.2	5.70	33.4	4.35	3.37	3.13	---	---	29
30	---		0.800B	2.14	13.9	5.28	109	4.62	3.28	3.06A	---	---	30
31	---		0.770B		13.5		98.5	4.76		3.00E		---	31
TOTAL	---	---	31.730	46.850	587.16	313.52	763.04	478.93	120.69	95.23	---	---	TOTAL
MEAN	---	---	1.02	1.56	18.9	10.5	24.6	15.4	4.02	3.07	---	---	MEAN
MAX	---	---	1.32	2.85	40.9	19.0	109	55.6	6.20	3.25	---	---	MAX
MIN	---	---	0.670	0.660	2.19	5.28	3.98	4.29	3.10	2.81	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.95
MAXIMUM DAILY, 109 ON JUL 30
MINIMUM DAILY, 0.660B ON APR 5
MAXIMUM INSTANTANEOUS,
178 AT 20:20 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 55 37 N
LONG 114 41 04 W
DRAINAGE AREA, 821 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	65 900
FEB	---	AUG	41 400
MAR	2 740	SEP	10 400
APR	4 050	OCT	8 230
MAY	50 700	NOV	---
JUN	27 100	DEC	---

TOTAL DISCHARGE, 211 000 dam³

JAYDOT RESERVOIR NEAR JAYDOT - STATION NO. 11AB098

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	920.188E	920.117E	920.035E	919.950E	919.810E	919.643E	919.458E	919.336E	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	920.166E	920.081E	920.015E	919.909E	919.757E	919.575E	919.400E	919.312E	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	919.891	---	---	---	---	---	---	24
25	---	920.213	---	---	---	---	---	---	---	---	---	---	25
26	---	920.211E	920.161	---	---	---	---	919.528	---	---	---	---	26
27	---	---	---	---	920.004	---	---	---	---	---	---	---	27
28	---	920.206E	---	920.057E	---	919.867E	---	---	919.357E	919.303	---	---	28
29	---		920.150E	920.056	919.996E	---	919.711	919.510E	---	919.300E	---	---	29
30	---		---	920.055E	---	919.856E	---	---	919.350	---	---	---	30
31	---		920.143E		919.987E		919.698E	919.498E		919.299E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 32 N
LONG 110 00 52 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JOHNSTON CREEK NEAR THE MOUTH - STATION NO. 05BA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.59	10.5	6.23	5.99	1.84	1.14	---	---	1
2	---	---	---	---	1.73	10.3	5.79	5.09	1.85	1.38	---	---	2
3	---	---	---	---	1.50	12.0	7.18	4.70	1.68	1.20	---	---	3
4	---	---	---	---	1.43	9.61	8.58	4.30	1.73	1.12	---	---	4
5	---	---	---	---	1.34	8.09	7.84	3.99	1.71	1.09	---	---	5
6	---	---	---	---	1.18	8.23	6.61	3.84	1.64	1.07	---	---	6
7	---	---	---	---	1.08	7.03	6.58	3.85	1.59	1.07	---	---	7
8	---	---	---	---	1.05	5.59	5.78	3.91	1.58	1.08	---	---	8
9	---	---	---	---	1.04	4.85	4.68	3.58	1.56	1.05	---	---	9
10	---	---	---	---	0.977	4.43	4.43	3.41	1.58	1.04	---	---	10
11	---	---	---	---	0.919	4.16	4.54	3.25	1.53	0.981	---	---	11
12	---	---	---	---	0.902	3.81	4.73	3.16	1.48	0.979	---	---	12
13	---	---	---	---	0.940	3.89	5.03	3.07	1.42	0.910	---	---	13
14	---	---	---	---	1.06	3.93	9.64	2.94	1.40	0.937	---	---	14
15	---	---	---	---	1.20	4.17	9.68	2.80	1.37	0.906	---	---	15
16	---	---	---	---	1.14	4.45	9.45	2.90	1.31	0.898	---	---	16
17	---	---	---	---	1.16	4.20	9.50	3.59	1.31	0.865	---	---	17
18	---	---	---	---	1.48	3.85	9.49	2.78	1.28	0.859	---	---	18
19	---	---	---	---	2.18	3.67	8.85	2.55	1.51	0.846	---	---	19
20	---	---	---	---	2.99	3.59	8.07	2.95	1.69	0.798	---	---	20
21	---	---	---	---	5.46	3.64	8.07	2.81	1.54	0.870	---	---	21
22	---	---	---	---	7.42	3.55	7.41	2.46	1.47	1.18	---	---	22
23	---	---	---	---	8.53	3.52	6.78	2.27	1.40	1.09	---	---	23
24	---	---	---	---	15.5	3.54	5.89	2.16	1.32	0.775	---	---	24
25	---	---	---	---	17.3	4.08	5.49	2.10	1.30	0.774	---	---	25
26	---	---	---	---	29.4	5.69	5.16	2.10	1.29	0.812	---	---	26
27	---	---	---	---	19.0	5.56	5.11	2.06	1.24	0.772A	---	---	27
28	---	---	---	---	11.9	4.74	5.03	1.92	1.25	0.780E	---	---	28
29	---		---	---	9.79	4.60	5.37	1.87	1.18	0.775E	---	---	29
30	---		---	---	10.8	5.00	8.87	2.11	1.14	0.785E	---	---	30
31	---		---		12.4		7.98	1.90		0.780E		---	31
TOTAL	---	---	---	---	174.388	164.27	213.84	96.41	44.19	29.612	---	---	TOTAL
MEAN	---	---	---	---	5.63	5.48	6.90	3.11	1.47	0.955	---	---	MEAN
MAX	---	---	---	---	29.4	12.0	9.68	5.99	1.85	1.38	---	---	MAX
MIN	---	---	---	---	0.902	3.52	4.43	1.87	1.14	0.772	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.93
MAXIMUM DAILY, 29.4 ON MAY 26
MINIMUM DAILY, 0.772A ON OCT 27
MAXIMUM INSTANTANEOUS,
35.6 AT 03:00 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 18 40 N
LONG 115 50 30 W
DRAINAGE AREA, 124 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	18 500
FEB	---	AUG	8 330
MAR	---	SEP	3 820
APR	---	OCT	2 560
MAY	15 100	NOV	---
JUN	14 200	DEC	---

TOTAL DISCHARGE, 62 500 dam³

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.004B	0.004B	0.002B	0.004B	5.16	0.421	0.704	0.139	0.002E	0.002E	---	---	1
2	0.004B	0.004B	0.002B	0.004B	4.58	0.347	0.584	0.136	0.002E	0.002E	---	---	2
3	0.004B	0.004B	0.002B	0.004B	4.24	0.296	0.474	0.135	0.002E	0.002E	---	---	3
4	0.004B	0.004B	0.002B	0.004B	3.91	0.279	0.363	0.124	0.002E	0.002E	---	---	4
5	0.004B	0.004B	0.002B	0.004B	3.38	0.288	0.277	0.150	0.002E	0.002E	---	---	5
6	0.004B	0.004B	0.002B	0.004B	2.95	0.402	0.236	0.147	0.002E	0.002E	---	---	6
7	0.004B	0.004B	0.002B	0.004B	2.68	0.416	0.197	0.104	0.002E	0.002E	---	---	7
8	0.004B	0.003B	0.002B	0.004B	2.43	0.379	0.203	0.104	0.002E	0.003E	---	---	8
9	0.004B	0.003B	0.002B	0.004B	2.06	0.393	0.188	0.089	0.002E	0.017	---	---	9
10	0.004B	0.003B	0.002B	0.004B	1.71	0.448	0.424	0.084	0.002E	0.084	---	---	10
11	0.004B	0.003B	0.002B	0.004B	1.51	0.509	0.545	0.060	0.002E	0.215	---	---	11
12	0.004B	0.003B	0.002B	0.004B	1.25	0.454	0.567	0.057	0.002E	0.317	---	---	12
13	0.004B	0.003B	0.002B	0.004B	1.18	0.392	0.523	0.053	0.002E	0.339	---	---	13
14	0.004B	0.003B	0.003B	0.004B	1.00	0.337	0.508	0.025	0.002E	0.315	---	---	14
15	0.004B	0.002B	0.003B	0.004B	0.840	0.296	0.460	0.030	0.002E	0.287	---	---	15
16	0.005B	0.002B	0.003B	0.008B	0.745	0.265	0.372	0.002	0.002E	0.259	---	---	16
17	0.005B	0.002B	0.003B	0.012B	0.705	0.245	0.329	0.004	0.002E	0.233	---	---	17
18	0.005B	0.002B	0.003B	0.025B	0.709	0.234	0.290	0.002E	0.002E	0.198	---	---	18
19	0.005B	0.002B	0.003B	0.050B	0.802	0.212	0.255	0.002E	0.002E	0.180	---	---	19
20	0.005B	0.002B	0.003B	0.110B	1.28	0.225	0.208	0.002E	0.002E	0.180	---	---	20
21	0.005B	0.002B	0.003B	0.170B	2.11	0.192	0.193	0.002E	0.002E	0.177	---	---	21
22	0.005B	0.002B	0.003B	0.280B	2.57	0.224	0.167	0.002E	0.002E	0.164B	---	---	22
23	0.005B	0.002B	0.004B	0.470B	2.41	0.220	0.270	0.002E	0.002E	0.156B	---	---	23
24	0.005B	0.002B	0.004B	0.740B	1.83	0.308	0.564	0.002E	0.002E	0.148B	---	---	24
25	0.005B	0.002B	0.004B	1.40 B	1.39	0.514	0.471	0.002E	0.002E	0.140B	---	---	25
26	0.005B	0.002B	0.004B	1.85 B	1.19	0.844	0.407	0.002E	0.002E	0.135B	---	---	26
27	0.005B	0.002B	0.004B	2.50 B	1.00	0.916	0.343	0.002E	0.002E	0.128B	---	---	27
28	0.005B	0.002B	0.004B	3.20 B	0.865	0.938	0.279	0.002E	0.002E	0.122B	---	---	28
29	0.004B		0.004B	4.30 B	0.724	0.915	0.249	0.002E	0.002E	0.118B	---	---	29
30	0.004B		0.004B	5.10 B	0.958	0.836	0.194	0.002E	0.002E	0.116B	---	---	30
31	0.004B		0.004B		0.578		0.166	0.002E		0.120B		---	31
TOTAL	0.137	0.077	0.089	20.275	58.746	12.745	11.010	1.471	0.060	4.165	---	---	TOTAL
MEAN	0.004	0.003	0.003	0.676	1.90	0.425	0.355	0.047	0.002	0.134	---	---	MEAN
MAX	0.005	0.004	0.004	5.10	5.16	0.938	0.704	0.150	0.002	0.339	---	---	MAX
MIN	0.004	0.002	0.002	0.004	0.578	0.192	0.166	0.002	0.002	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 5.16 ON MAY 1

MAXIMUM INSTANTANEOUS,
5.62 AT 03:35 MST ON MAY 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 27 N
LONG 111 44 30 W
DRAINAGE AREA, 248 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	11.8	JUL	951
FEB	6.65	AUG	127
MAR	7.69	SEP	5.18
APR	1 750	OCT	360
MAY	5 080	NOV	---
JUN	1 100	DEC	---

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.152	9.78	0.864	1.71	0.219	0.100	0.072	---	1
2	---	---	---	---	0.147	7.15	0.823	1.45	0.207	0.106	0.069	---	2
3	---	---	---	---	0.126	4.58	0.804	1.36	0.198	0.098	0.066A	---	3
4	---	---	---	---	0.115	3.20	0.756	1.20	0.191	0.091	---	---	4
5	---	---	---	---	0.286	2.43	0.714	1.03	0.182	0.087	---	---	5
6	---	---	---	---	0.706	2.01	0.678	0.911	0.172	0.091	---	---	6
7	---	---	---	---	0.770	1.67	0.688	0.964	0.166	0.092	---	---	7
8	---	---	---	---	1.03	1.44	0.612	1.10	0.156	0.089	---	---	8
9	---	---	---	---	0.542	1.28	0.566	1.09	0.149	0.086	---	---	9
10	---	---	---	---	0.190	1.15	0.535	0.972	0.145	0.083	---	---	10
11	---	---	---	---	0.200	1.02	0.503	0.847	0.137	0.084	---	---	11
12	---	---	---	---	0.231	0.945	0.466	0.794	0.134	0.084	---	---	12
13	---	---	---	---	0.297	1.67	0.535	0.729	0.133	0.082	---	---	13
14	---	---	---	---	0.477	3.68	0.811	0.632	0.130	0.085	---	---	14
15	---	---	---	---	0.794	4.25	0.887	0.567	0.126	0.083	---	---	15
16	---	---	---	---	0.830	3.52	0.901	0.577	0.120	0.081	---	---	16
17	---	---	---	---	0.772	2.75	0.880	0.553	0.116	0.077	---	---	17
18	---	---	---	---	1.09	2.20	0.840	0.493	0.109	0.076	---	---	18
19	---	---	---	---	2.11	1.82	0.805	0.444	0.113	0.076	---	---	19
20	---	---	---	---	3.77	1.55	0.810	0.411	0.114	0.087	---	---	20
21	---	---	---	---	8.65	1.36	0.797	0.380	0.112	0.080B	---	---	21
22	---	---	---	---	8.68	1.21	0.788	0.347	0.112	0.060B	---	---	22
23	---	---	---	---	7.87	1.09	0.845	0.327	0.107	0.052	---	---	23
24	---	---	---	0.147A	7.85	0.952	1.13	0.307	0.106	0.058	---	---	24
25	---	---	---	0.140B	8.05	0.864	1.73	0.293	0.111	0.074	---	---	25
26	---	---	---	0.120B	7.58	0.803	1.74	0.278	0.107	0.080	---	---	26
27	---	---	---	0.116B	4.95	0.831	1.49	0.254	0.107	0.074	---	---	27
28	---	---	---	0.106	3.51	0.757	1.35	0.241	0.105	0.075	---	---	28
29	---		---	0.112	2.70	0.699	1.67	0.239	0.102	0.071	---	---	29
30	---		---	0.127	2.27	0.650	1.91	0.268	0.101	0.065	---	---	30
31	---		---		3.96		1.93	0.231		0.068		---	31
TOTAL	---	---	---	---	80.705	67.311	29.858	20.995	4.087	2.495	---	---	TOTAL
MEAN	---	---	---	---	2.60	2.24	0.963	0.677	0.136	0.080	---	---	MEAN
MAX	---	---	---	---	8.68	9.78	1.93	1.71	0.219	0.106	---	---	MAX
MIN	---	---	---	---	0.115	0.650	0.466	0.231	0.101	0.052	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.12
MAXIMUM DAILY, 9.78 ON JUN 1
MINIMUM DAILY, 0.052 ON OCT 23
MAXIMUM INSTANTANEOUS,
12.3 AT 18:00 MST ON MAY 21

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 00 09 N
LONG 114 56 18 W
DRAINAGE AREA, 36.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 580
FEB	---	AUG	1 810
MAR	---	SEP	353
APR	---	OCT	216
MAY	6 970	NOV	---
JUN	5 820	DEC	---

TOTAL DISCHARGE, 17 700 dam³

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.880B	0.200B	0.235B	0.541B	0.394	35.7	4.11	10.6	1.53	0.774	0.661	0.292B	1
2	0.780B	0.200B	0.240B	0.547B	0.426	33.2	6.81	8.67	1.49	0.753	0.655	0.280B	2
3	0.700B	0.200B	0.245B	0.517B	0.435	22.2	4.98	7.32	1.45	0.748	0.620	0.270B	3
4	0.620B	0.200B	0.250B	0.472B	0.483	16.6	3.77	7.23	1.37	0.720	0.608	0.260B	4
5	0.550B	0.200B	0.255B	0.367B	0.807	12.9	3.12	6.28	1.39	0.707	0.608B	0.250B	5
6	0.500B	0.175B	0.257B	0.384B	1.71	10.8	2.77	5.38	1.31	0.701	0.597B	0.240B	6
7	0.440B	0.150B	0.260B	0.418B	2.88	9.26	2.91	4.66	1.22	0.696	0.545	0.230B	7
8	0.390B	0.130B	0.265B	0.432B	4.25	8.23	3.76	6.87	1.13	0.704	0.540B	0.220B	8
9	0.340B	0.105B	0.270B	0.382	6.01	7.48	3.33	7.11	1.03	0.698	0.565	0.215B	9
10	0.310B	0.085B	0.275B	0.371	8.77	6.82	2.80	5.96	0.940	0.710	0.540B	0.205B	10
11	0.270B	0.070B	0.280B	0.340	8.05	6.36	2.55	5.17	0.877	0.687	0.538	0.190B	11
12	0.250B	0.050B	0.300B	0.404	7.37	5.58	2.22	4.52	0.863	0.731	0.530	0.175B	12
13	0.220B	0.050B	0.320B	0.363	6.88	5.85	1.96	4.24	0.855	0.754	0.515B	0.160B	13
14	0.217B	0.070B	0.340B	0.310	6.61	20.0	2.24	3.92	0.832	0.760	0.499B	0.145B	14
15	0.216B	0.085B	0.360B	0.351	7.92	17.9	4.30	3.57	0.875	0.760	0.408B	0.130B	15
16	0.214B	0.105B	0.390B	0.382	10.3	14.0	4.54	3.42	0.875	0.759	0.310B	0.115B	16
17	0.213B	0.130B	0.430B	0.376	10.2	11.4	5.18	3.38	0.797	0.750	0.308B	0.118B	17
18	0.211B	0.150B	0.490B	0.402	14.7	10.5	4.32	3.25	0.762	0.708	0.307B	0.120B	18
19	0.210B	0.170B	0.560B	0.410	12.7	8.99	3.40	2.89	0.834	0.695	0.305B	0.122B	19
20	0.208B	0.200B	0.550B	0.390	17.5	7.50	2.86	2.58	0.998	0.697	0.302B	0.125B	20
21	0.205B	0.205B	0.540B	0.406	24.7	6.45	2.76	2.39	0.971	0.700B	0.300B	0.122B	21
22	0.203B	0.208B	0.530B	0.435	38.2	5.74	4.62	2.30	0.946	0.650B	0.300B	0.120B	22
23	0.201B	0.210B	0.520B	0.424	33.2	5.15	6.53	2.17	0.852	0.586	0.300B	0.118B	23
24	0.200B	0.215B	0.510B	0.453	28.2	4.65	6.26	2.02	0.881	0.597	0.300B	0.114B	24
25	0.199B	0.218B	0.500B	0.442	25.4	4.07	9.13	1.87	0.874	0.636	0.299B	0.110B	25
26	0.196B	0.221B	0.421B	0.462	27.1	3.66	8.26	1.71	0.942	0.752	0.298B	0.108B	26
27	0.194B	0.225B	0.905B	0.496	20.9	3.69	6.54	1.63	0.964	0.801	0.296B	0.104B	27
28	0.194B	0.230B	0.851B	0.464	16.3	4.13	5.47	1.47	0.887	0.794	0.295B	0.100B	28
29	0.194B		0.632B	0.541	13.2	3.84	6.52	1.45	0.840	0.801	0.294B	0.097B	29
30	0.197B		0.536B	0.503	11.3	3.36	12.7	1.49	0.807	0.783	0.293B	0.094B	30
31	0.199B		0.459B		11.0		12.6	1.62		0.702		0.080B	31
TOTAL	9.921	4.457	12.976	12.785	377.855	316.01	153.32	127.14	30.392	22.314	12.936	5.029	TOTAL
MEAN	0.320	0.159	0.419	0.426	12.2	10.5	4.95	4.10	1.01	0.720	0.431	0.162	MEAN
MAX	0.880	0.230	0.905	0.547	38.2	35.7	12.7	10.6	1.53	0.801	0.661	0.292	MAX
MIN	0.194	0.050	0.235	0.310	0.394	3.36	1.96	1.45	0.762	0.586	0.293	0.080	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.97
MAXIMUM DAILY, 38.2 ON MAY 22
MINIMUM DAILY, 0.050B ON FEB 12
MAXIMUM INSTANTANEOUS,
43.5 AT 12:45 MST ON JUN 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 16 N
LONG 114 31 42 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	857	JUL	13 200
FEB	385	AUG	11 000
MAR	1 120	SEP	2 630
APR	1 100	OCT	1 930
MAY	32 600	NOV	1 120
JUN	27 300	DEC	435

TOTAL DISCHARGE, 93 700 dam³

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	32.5E	155	35.7A	73.8	14.5	8.33	---	---	1
2	---	---	---	---	33.7E	143	34.0	58.4	14.2	8.83	---	---	2
3	---	---	---	---	34.0E	123	35.8	48.7	14.4	9.98	---	---	3
4	---	---	---	---	33.5E	111	41.0	42.0	14.7	9.18	---	---	4
5	---	---	---	---	32.4A	96.4	37.6	38.7	14.4	8.79	---	---	5
6	---	---	---	---	33.4	86.0	34.8	35.4	14.1	8.48	---	---	6
7	---	---	---	---	40.8	76.0	35.0	32.1	13.2	8.22	---	---	7
8	---	---	---	---	56.0E	65.0	30.8	29.8	12.6	8.14	---	---	8
9	---	---	---	---	70.0E	56.9	27.2	27.8	12.1	8.09	---	---	9
10	---	---	---	---	92.0E	53.8	24.5	26.2	11.9	8.02	---	---	10
11	---	---	---	---	87.0E	53.9	22.8	24.9	12.0	8.03	---	---	11
12	---	---	---	---	77.0E	69.0	22.0	24.0	11.8	7.82	---	---	12
13	---	---	---	---	68.0E	81.8	23.5	23.0	11.3	7.73	---	---	13
14	---	---	---	---	75.0E	78.6	41.1	22.3	11.2	7.58	---	---	14
15	---	---	---	---	94.0E	76.4	48.0	21.1	10.8	7.66	---	---	15
16	---	---	---	---	103 E	69.1	39.1	20.0	10.4	7.59	---	---	16
17	---	---	---	---	100 E	63.7	35.2	19.0	9.86	7.39	---	---	17
18	---	---	---	---	99.0E	57.1	33.3	18.2	9.66	8.07	---	---	18
19	---	---	---	---	98.0E	51.0	34.6	17.6	9.70	7.97	---	---	19
20	---	---	---	---	110 E	46.9	41.6	17.0	9.89	7.87	---	---	20
21	---	---	---	---	140 E	44.8	46.5	16.3	10.0	7.74	---	---	21
22	---	---	---	---	171	41.8A	48.1	15.8	9.98	7.08	---	---	22
23	---	---	---	---	169	41.0E	55.9	15.3	10.1	7.05	---	---	23
24	---	---	---	---	165	45.0E	61.3	15.0	9.84	7.54	---	---	24
25	---	---	---	---	159	42.5E	51.9	14.4	9.66	7.89	---	---	25
26	---	---	---	---	184	39.0E	43.0	14.5	9.69	8.13	---	---	26
27	---	---	---	---	205	37.5E	37.8	16.9	9.37	8.08A	---	---	27
28	---	---	---	---	146	36.5E	36.8	16.9	8.88	8.06E	---	---	28
29	---		---	---	125	36.0E	85.6	16.2	8.68	8.04E	---	---	29
30	---		---	---	122	35.8E	144	16.1	8.43	8.02E	---	---	30
31	---		---		158		99.8	15.7		8.00E		---	31
TOTAL	---	---	---	---	3 113.3	2 013.5	1 388.3	793.1	337.34	249.40	---	---	TOTAL
MEAN	---	---	---	---	100	67.1	44.8	25.6	11.2	8.05	---	---	MEAN
MAX	---	---	---	---	205	155	144	73.8	14.7	9.98	---	---	MAX
MIN	---	---	---	---	32.4	35.8	22.0	14.4	8.43	7.05	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 205 ON MAY 27

MAXIMUM INSTANTANEOUS,
226 AT 19:30 MST ON MAY 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 22 20 N
LONG 118 35 40 W
DRAINAGE AREA, 3 290 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	120 000
FEB	---	AUG	68 500
MAR	---	SEP	29 100
APR	---	OCT	21 500
MAY	269 000	NOV	---
JUN	174 000	DEC	---

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.2	19.0	0.098	0.126	0.272	0 343	0.355	0.293	11.6	12.0	13.2	13.4	1
2	17.6	18.8	0.098	0.135	0.246	0.331	0.329	0.296	17.1	14.7	15.7	13.2	2
3	16.4	13.7	0.094	0.133	0.245	0.318	0.333	9.89	15.5	10.3	15.4	13.0	3
4	17.8	16.7	0.090	0.128	0.260	0.340	0.330	10.2	12.3	9.74	13.8	12.4	4
5	18.9	19.7	0.083	0.132	0.271	0.327	0.323	9.23	9.12	9.70	14.9	12.1	5
6	16.9	18.0	0.081	0.130	0.264	0.340	0.323	12.4	6.92	9.59	15.2	11.9	6
7	16.2	19.3	0.079	0.135	0.277	0.355	11.4	11.0	5.68	9.19	15.4	12.6	7
8	14.8	20.1	0.089	0.142	0.295	2.91	13.3	13.3	5.97	7.20	14.9	10.1	8
9	17.7	16.4	0.091	0.142	0.315	4.72	11.8	12.2	7.61	10.9	15.3	11.6	9
10	14.9	20.5	0.087	0.142	0.311	3.66	15.4	10.8	12.3	9.36	13.5	9.29	10
11	16.2	18.2	0.091	0.150	0.311	11.6	8.64	9.91	12.5	9.31	15.1	10.0	11
12	18.4	17.8	0.084	0.154	0.325	13.3	2.67	10.5	12.7	9.31	16.2	11.0	12
13	14.8	17.8	0.081	0.158	0.337	11.3	10.7	12.3	0.273	9.51	15.3	9.63	13
14	18.7	18.2	0.079	0.163	0.331	10.7	14.8	15.2	0.237	0.230	15.3	18.2	14
15	18.4	6.86	0.079	0.194	0.376	11.4	9.65	16.4	0.240	0.230	14.5	11.9	15
16	18.8	4.04	0.078	0.209	0.395	9.51	9.71	16.0	0.253	0.228	15.5	8.95	16
17	17.6	15.2	0.073	0.213	0.394	13.0	8.72	15.1	0.235	0.230	15.4	9.40	17
18	15.2	5.52	0.073	0.209	0.377	12.1	9.34	20.8	3.33	0.229	15.6	11.4	18
19	17.6	3.31	0.076	0.219	0.362	11.7	9.33	11.0	6.87	6.35	15.3	9.60	19
20	18.9	5.84	0.086	0.215	0.324	12.3	8.72	10.9	9.72	8.78	15.4	9.74	20
21	17.7	5.91	0.087	0.216	0.497	9.08	7.75	19.1	9.62	9.52	12.2	9.43	21
22	19.3	5.42	0.097	0.224	1.27	7.18	6.83	18.4	6.24	12.7	12.3	9.09	22
23	17.6	4.49	0.098	0.240	0.317	8.27	6.47	15.6	7.05	14.9	5.67	8.95	23
24	18.3	2.28	0.097	0.228	0.317	0.313	6.63	15.0	6.73	12.4	13.7	9.09	24
25	15.4	0.099	0.104	0.215	0.329	0.314	7.35	11.7	6.31	10.1	13.9	9.00	25
26	17.5	1.95	0.112	0.216	0.340	0.313	6.77	10.1	9.39	10.8	13.6	9.71	26
27	17.7	2.00	0.121	0.223	0.311	0.357	6.14	10.2	9.45	11.0	12.1	9.17	27
28	18.7	0.109	0.110	0.225	0.317	0.361	2.76	9.39	9.41	12.1	13.5	12.1	28
29	20.1		0.121	0.226	0.314	0.318	0.327	9.05	9.30	13.2	13.3	10.1	29
30	21.0		0.119	0.243	0.319	0.320	0.315	0.270	12.5	13.7	13.6	12.3	30
31	23.9		0.122		0.334		0.279	9.22		15.3		9.37	31
TOTAL	550 2	317.228	2.878	5.485	10.953	157.380	197.794	355.749	236.458	282.807	424.77	337.72	TOTAL
MEAN	17.7	11.3	0.093	0.183	0.353	5.25	6.38	11.5	7.88	9.12	14.2	10.9	MEAN
MAX	23.9	20.5	0.122	0.243	1.27	13.3	15.4	20.8	17.1	15.3	16.2	18.2	MAX
MIN	14.8	0.099	0.073	0.126	0.245	0.313	0.279	0.270	0.235	0.228	5.67	8.95	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.89
MAXIMUM DAILY, 23.9 ON JAN 31
MINIMUM DAILY, 0.073 ON MAR 17
MAXIMUM INSTANTANEOUS,
34.5 AT 15:25 MST ON NOV 24

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 00 N
LONG 115 07 05 W
DRAINAGE AREA, 363 km²

REGULATED SINCE 1932

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	47 500	JUL	17 100
FEB	27 400	AUG	30 700
MAR	249	SEP	20 400
APR	474	OCT	24 400
MAY	946	NOV	36 700
JUN	13 600	DEC	29 200

TOTAL DISCHARGE, 249 000 dam³

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO. 05BF025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.5	25.4	3.01	9.03	7.77	41.4	22.7	20.0	17.8	14.7	20.5	13.9	1
2	20.5	25.1	5.49	8.47	0.401	42.7	27.2	11.9	20.6	15.0	13.9	14.0	2
3	20.8	14.8	3.27	6.83	0.395	44.2	27.2	18.5	17.2	14.8	17.7	19.9	3
4	24.1	19.9	3.10	6.17	8.76	42.3	32.0	14.4	16.0	12.4	19.9	20.0	4
5	21.2	23.8	3.43	0.463	11.6	38.6	32.0	6.57	16.4	17.2	19.9	13.2	5
6	21.4	25.6	3.69	5.21	11.1	35.4	32.0	6.09	17.6	11.6	19.6	13.0	6
7	22.3	25.4	3.17	5.71	14.8	33.1	31.7	12.8	15.7	16.3	17.4	14.9	7
8	19.6	21.7	2.90	7.55	18.7	30.8	32.0	21.1	14.5	14.1	18.1	16.5	8
9	15 5	18.8	4.19	0.468	17.6	29.9	32.0	23.0	13.8	14.1	17.4	16.0	9
10	15.0	21.6	3.21	0.446	17.6	29.6	29.2	28.6	22.2	12.6	17.6	13.8	10
11	18.0	17.6	3.01	0.454	14.3	25.3	31.7	26.8	20.7	12.7	16.8	14.1	11
12	21.2	17.7	4.36	0.453	5.79	30.6	22.3	17.1	19.9	15.2	15.9	12.4	12
13	22.0	18.7	4.23	6.27	7.15	30.3	22.2	26.4	21.4	13.1	21.9	12.7	13
14	16.8	17.4	4.39	5.32	17.7	33.4	23.3	26.1	0.337	10.4	18.3	18.7	14
15	18.2	18.4	4.29	6.10	12.8	38.5	35.7	25.9	0.193	7.56	18.2	17.3	15
16	21.3	21.8	4.99	5.95	8.36	41.3	36.0	25.4	1.10	6.03	17.4	9.97	16
17	20.7	16.9	4.38	3.02	9.32	41.9	35.7	24.7	4.79	5.49	20.4	8.38	17
18	19.8	12.0	4.30	2.87	9.32	41.6	34.0	24.8	9.06	6.65	18.7	14.7	18
19	17.5	11.6	3.21	7.28	10.2	39.4	33.1	24.5	8.75	9.88	18.7	9.54	19
20	20.6	10.3	0.541	5.52	19.8	37.7	32.6	22.2	8.55	0.852	19.1	8.78	20
21	22.7	5.72	4.32	0.465	29.6	37.4	32.0	20.3	10.6	12.9	20.4	8.72	21
22	22.9	4.87	2.90	11.1	35.4	35.1	32.0	21.3	8.78	13.3	19.7	8.47	22
23	20.9	5.06	2.97	0.465	43.9	31.7	30.6	24.7	8.38	12.3	11.0	8.95	23
24	23.4	4.77	2.84	0.442	49.7	15.7	22.4	21.7	11.1	12.7	17.6	9.23	24
25	22.7	0.491	2.92	0.426	54.9	16.3	29.7	22.9	12.3	12.7	15.9	9.40	25
26	13.1	0.480	3.10	3.26	61.4	32.0	31.1	23.2	14.8	12.5	17.2	9.12	26
27	20.9	0.497	2.91	10.1	59.7	24.7	29 2	12.1	14.6	15.7	17.3	9.46	27
28	22.1	0.520	3.00	10.4	52.4	27.5	22.7	20.5	13.9	13.1	20.8	9.29	28
29	24.4		0.473	10.6	43.6	18.3	24.1	17.6	10.4	17.3	10.7	8.24	29
30	21.4		3.26	2.76	39.9	14.4	24.8	10.5	17.0	16.9	18.4	8.81	30
31	21.4		11.7		39.5		21.1	15.1		18.6		5.92	31
TOTAL	634.9	406.908	113.554	143.602	733.466	981.1	904.3	616.76	388.440	388.662	536.4	377.38	TOTAL
MEAN	20.5	14.5	3.66	4.79	23.7	32.7	29.2	19.9	12.9	12.5	17.9	12.2	MEAN
MAX	24.4	25.6	11.7	11.1	61.4	44.2	36.0	28.6	22.2	18.6	21.9	20.0	MAX
MIN	13.1	0.480	0.473	0.426	0.395	14.4	21.1	6.09	0.193	0.852	10.7	5.92	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.1
MAXIMUM DAILY, 61.4 ON MAY 26
MINIMUM DAILY, 0.193 ON SEP 15

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 115 01 55 W
DRAINAGE AREA, 899 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	54 900	JUL	78 100
FEB	35 200	AUG	53 300
MAR	9 810	SEP	33 600
APR	12 400	OCT	33 600
MAY	63 400	NOV	46 300
JUN	84 800	DEC	32 600

TOTAL DISCHARGE, 538 000 dam³

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.770B	27.5	2.52	0.907	0.726	0.010E	0.005E	---	---	1
2	---	---	0 B	0.880B	33.5	2.21	0.787	0.602	0.010E	0.005E	---	---	2
3	---	---	0 B	1.00 B	38.5	2.04	0.720	0.484	0.012E	0.004E	---	---	3
4	---	---	0 B	1.11 B	28.6	1.73	0.599	0.409	0.013E	0.004E	---	---	4
5	---	---	0 B	1.24 B	19.3	1.61	0.535	0.349	0.012E	0.004E	---	---	5
6	---	---	0 B	1.31 B	17.3	1.52	0.497	0.296	0.010E	0.004E	---	---	6
7	---	---	0 B	1.33 B	15.4	1.50	0.454	0.243	0.009A	0.008E	---	---	7
8	---	---	0 B	0.726B	14.0	1.44	0.411	0.205	0.009E	0.010E	---	---	8
9	---	---	0.002B	0.305B	12.1	1.39	0.368	0.198	0.009E	0.018E	---	---	9
10	---	---	0.010B	0.158B	10.1	1.33	0.338	0.184	0.008E	0.025A	---	---	10
11	---	---	0.020B	0.051B	8.76	1.24	0.326	0.163	0.008E	0.044	---	---	11
12	---	---	0.030B	0.057B	7.78	1.13	0.318	0.144	0.008E	0.041	---	---	12
13	---	---	0.050B	0.063B	7.07	1.02	0.324	0.124	0.008E	0.039	---	---	13
14	---	---	0.070B	0.055B	6.47	0.920	0.422	0.110	0.008E	0.040	---	---	14
15	---	---	0.095B	0.048B	5.77	0.847	0.581	0.092	0.007E	0.057	---	---	15
16	---	---	0.120B	0.047B	5.02	0.811	0.524	0.081	0.007E	0.073	---	---	16
17	---	---	0.160B	0.045B	4.54	0.797	0.503	0.068	0.007E	0.091	---	---	17
18	---	---	0.220B	0.050B	4.24	0.742	0.502	0.055	0.007E	0.086	---	---	18
19	---	---	0.160B	0.200B	3.99	0.705	0.456	0.047	0.007E	0.080	---	---	19
20	---	---	0.120B	0.362B	3.81	0.652	0.445	0.043	0.006E	0.087	---	---	20
21	---	---	0.070B	0.602B	3.68	0.644	0.946	0.037	0.006E	0.081	---	---	21
22	---	---	0.030B	0.745B	3.60	0.657	0.873	0.031	0.006E	0.069	---	---	22
23	---	---	0.020B	0.961B	3.38	0.683	0.795	0.026	0.006E	0.126	---	---	23
24	---	---	0.020B	4.36 B	3.18	0.784	0.631	0.023	0.006E	0.159	---	---	24
25	---	---	0.030B	6.67 B	3.06	1.02	0.644	0.022	0.006E	0.177	---	---	25
26	---	---	0.050B	8.98 B	3.05	1.04	0.557	0.021	0.005E	0.201A	---	---	26
27	---	0B	0.200B	11.3 B	3.01	0.988	0.536	0.020	0.005E	0.180E	---	---	27
28	---	0B	0.270B	13.1	3.22	0.954	0.516	0.018E	0.005A	0.170E	---	---	28
29	---		0.420B	17.3	3.67	0.984	0.560	0.016E	0.005E	0.160E	---	---	29
30	---		0.550B	20.1	3.39	0.900	0.513	0.014E	0.005E	0.150E	---	---	30
31	---		0.660B		2.90		0.759	0.012E		0.140E		---	31
TOTAL	---	---	3.377	93.925	309.89	34.808	17.297	4.863	0.230	2.338	---	---	TOTAL
MEAN	---	---	0.109	3.13	10.0	1.16	0.558	0.157	0.008	0.075	---	---	MEAN
MAX	---	---	0.660	20.1	38.5	2.52	0.946	0.726	0.013	0.201	---	---	MAX
MIN	---	---	0	0.045	2.90	0.644	0.318	0.012	0.005	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 38.5 ON MAY 3
MINIMUM DAILY, 0B ON FEB 27
MAXIMUM INSTANTANEOUS,
40.0 AT 20:00 MST ON MAY 3

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 44 40 N
LONG 117 37 20 W
DRAINAGE AREA, 704 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 490
FEB	---	AUG	420
MAR	292	SEP	19.9
APR	8 120	OCT	202
MAY	26 800	NOV	---
JUN	3 010	DEC	---

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.825	0.003	0	0	0	0	0	---	---	1
2	---	---	0 B	0.596	0.002	0	0	0	0	0	---	---	2
3	---	---	0 B	0.365	0.001	0	0	0	0	0	---	---	3
4	---	---	0.004B	0.286	0.001	0	0	0	0	0	---	---	4
5	---	---	0.004B	0.230	0	0	0	0	0	0	---	---	5
6	---	---	0.004B	0.168	0	0	0	0	0	0	---	---	6
7	---	---	0.004B	0.126	0	0	0	0	0	0	---	---	7
8	---	---	0.006B	0.112	0	0	0	0	0	0	---	---	8
9	---	---	0.011B	0.109	0	0	0	0	0	0	---	---	9
10	---	---	0.130B	0.058	0	0	0	0	0	0	---	---	10
11	---	---	0.711B	0.028	0	0	0	0	0	0	---	---	11
12	---	---	0.908B	0.015B	0	0	0	0	0	0	---	---	12
13	---	---	1.32 B	0.010B	0	0	0	0	0	0	---	---	13
14	---	---	1.51 B	0.011B	0	0	0	0	0	0	---	---	14
15	---	---	2.22 B	0.021B	0	0	0	0	0	0	---	---	15
16	---	---	2.30 B	0.033	0	0	0	0	0	0	---	---	16
17	---	---	2.28 B	0.036	0	0	0	0	0	0	---	---	17
18	---	---	1.85 B	0.050	0	0	0	0	0	0	---	---	18
19	---	---	1.58 B	0.091	0	0	0	0	0	0	---	---	19
20	---	---	0.250B	0.110	0	0	0	0	0	0	---	---	20
21	---	---	0.050B	0.075	0	0	0	0	0	0	---	---	21
22	---	---	0.020B	0.039	0	0	0	0	0	0	---	---	22
23	---	---	0.017B	0.034	0	0	0	0	0	0	---	---	23
24	---	---	0.294B	0.061	0	0	0	0	0	0	---	---	24
25	---	---	0.999B	0.042	0	0	0	0	0	0	---	---	25
26	---	---	1.82 B	0.022	0	0	0	0	0	0	---	---	26
27	---	---	2.25 B	0.010	0	0	0	0	0	0	---	---	27
28	---	---	2.19 B	0.008	0	0	0	0	0	0	---	---	28
29	---		2.09 B	0.005	0	0	0	0	0	0	---	---	29
30	---		1.42 B	0.004	0	0	0	0	0	0	---	---	30
31	---		1.08		0		0	0		0		---	31
TOTAL	---	---	27.322	3.580	0.007	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.881	0.119	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.30	0.825	0.003	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.004	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 126
MAXIMUM DAILY, 2.30B ON MAR 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.37B AT 17:00 MST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 13 29 N
LONG 118 27 37 W
DRAINAGE AREA, 31.6 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2 360	SEP	0
APR	309	OCT	0
MAY	0.60	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 670 dam³

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.880B	0.700B	0.199	0.201	0.056	0.035	0.012	0.002	0.059E	---	1
2	---	---	0.950B	0.640B	0.194	0.182	0.047	0.021	0.012	0.002	0.057A	---	2
3	---	---	1.08 B	0.597	0.198	0.151	0.026	0.018	0.013	0.002	---	---	3
4	---	---	0.700B	0.589	0.184	0.134	0.024	0.032	0.015	0.001E	---	---	4
5	---	---	0.680B	0.529	0.208	0.121	0.021	0.180	0.024	0.001E	---	---	5
6	---	---	0.740B	0.458	3.36	0.110E	0.023	0.108	0.024	0.001E	---	---	6
7	---	---	0.870B	0.413	4.45	0.090E	0.022	0.057	0.016	0.007E	---	---	7
8	---	---	0.930B	0.377	2.03	0.070E	0.030	0.040	0.014	0.007E	---	---	8
9	---	---	0.920B	0.345	7.21	0.080E	0.027	0.032	0.010	0.005E	---	---	9
10	---	---	0.890B	0.333	7.31	0.085	0.025	0.023	0.006	0.008E	---	---	10
11	---	---	0.760B	0.310	5.06	0.106	0.023	0.017	0.005	0.012E	---	---	11
12	---	---	0.640B	0.274	3.71	0.069	0.021	0.014	0.004	0.006E	---	---	12
13	---	---	0.950B	0.225	2.45	0.065	0.020	0.007	0.003	0.010E	---	---	13
14	---	---	1.20 B	0.223	1.37	0.063	0.019	0.004	0.002	0.013E	---	---	14
15	---	---	1.45 B	0.222	1.07	0.045	0.017	0.002	0.001	0.016E	---	---	15
16	---	---	1.65 B	0.234	0.847	0.038	0.026	0	0.001	0.022E	---	---	16
17	---	---	1.79 B	0.233	0.818	0.030	0.168	0.003	0.002	0.030E	---	---	17
18	---	---	1.30 B	0.235A	0.696	0.023	0.065	0.007	0.002	0.037E	---	---	18
19	---	---	0.690B	0.144E	0.625	0.018	0.042	0.002	0.002	0.045E	---	---	19
20	---	---	0.850B	0.150E	0.591	0.016	0.036	0	0.026	0.050E	---	---	20
21	---	---	1.02 B	0.160E	0.580	0.015	0.036	0	0.006	0.045E	---	---	21
22	---	---	1.19 B	0.169A	0.534	0.013	0.034	0.025	0.011	0.040E	---	---	22
23	---	1.94 B	1.31 B	0.171	0.482	0.012	0.032	0.039	0.008E	0.045E	---	---	23
24	---	1.26 B	1.39 B	0.168	0.431	0.011	0.032	0.048	0.006E	0.055E	---	---	24
25	---	0.950B	1.34 B	0.158	0.405	0.015	0.029	0.080	0.004E	0.067E	---	---	25
26	---	0.720B	1.17 B	0.147	0.380	0.019	0.025	0.052	0.010E	0.055E	---	---	26
27	---	0.740B	1.00 B	0.149	0.349	0.026	0.023	0.034	0.012E	0.060E	---	---	27
28	---	0.810B	0.970B	0.178	0.336	0.027	0.022	0.026	0.005E	0.065E	---	---	28
29	---		1.14 B	0.182	0.304	0.027	0.024	0.018	0.004E	0.065E	---	---	29
30	---		1.33 B	0.197	0.262	0.025	0.033	0.015	0.003A	0.063E	---	---	30
31	---		0.850B		0.220		0 034	0.013		0.061E		---	31
TOTAL	---	---	32.630	8.910	46.863	1.887	1.062	0.952	0.263	0.898	---	---	TOTAL
MEAN	---	---	1.05	0.297	1.51	0.063	0.034	0.031	0.009	0.029	---	---	MEAN
MAX	---	---	1.79	0.700	7.31	0.201	0.168	0.180	0.026	0.067	---	---	MAX
MIN	---	---	0.640	0.144	0.184	0.011	0.017	0	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.381
MAXIMUM DAILY, 7.31 ON MAY 10
MINIMUM DAILY, 0 ON AUG 16
MAXIMUM INSTANTANEOUS,
8.77 AT 13:15 MST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 40 N
LONG 112 51 30 W
DRAINAGE AREA, 2 420 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	91.8
FEB	---	AUG	82.3
MAR	2 820	SEP	22.7
APR	770	OCT	77.6
MAY	4 050	NOV	---
JUN	163	DEC	---

TOTAL DISCHARGE, 8 080 dam³

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0	0	0.065	0.039	0.020	0.001	0.001	0	---	1
2	---	---	0.001B	0	0	0.108	0.049	0.019	0.001	0	0	---	2
3	---	---	0.001B	0	0	0.092	0.052	0.019	0.002	0	0	---	3
4	---	---	0.003B	0	0	0.047	0.033	0.018	0.002	0.001	0	---	4
5	---	---	0.003	0	0	0.035	0.025	0.018	0.002	0.001	0A	---	5
6	---	---	0.001	0	0	0.034	0.024	0.017	0.001	0.001	---	---	6
7	---	---	0.001	0	0.002	0.031	0.024	0.016	0.001	0.001	---	---	7
8	---	---	0.001	0	0.010	0.032	0.020	0.014	0.001	0.001	---	---	8
9	---	---	0.001	0	0.047	0.039	0.019	0.011	0	0.001	---	---	9
10	---	---	0.001	0	0.028	0.055	0.019	0.007	0	0.001	---	---	10
11	---	---	0	0	0.017	0.046	0.022	0.005	0	0.001	---	---	11
12	---	---	0	0	0.013	0.034	0.024	0.005	0	0.001	---	---	12
13	---	---	0.001	0	0.011	0.258	0.024	0.005	0	0.001	---	---	13
14	---	---	0	0	0.009	2.27	0.022	0.004	0	0.001	---	---	14
15	---	---	0	0	0.426	1.09	0.027	0.004	0	0.001	---	---	15
16	---	---	0.001	0	7.62	0.443	0.039	0.004	0	0.001	---	---	16
17	---	---	0.001	0	1.63	0.269	0.086	0.014	0	0.001	---	---	17
18	---	---	0.001	0	0.831	0.209	0.072	0.017	0	0.001	---	---	18
19	---	---	0.001	0	0.951	0.212	0.037	0.015	0	0.001	---	---	19
20	---	---	0.001	0	0.832	0.128	0.027	0.012	0	0.001	---	---	20
21	---	---	0.001	0	0.505	0.089	0.022	0.008	0	0.001	---	---	21
22	---	---	0.001	0	0.379	0.075	0.021	0.006	0	0.001	---	---	22
23	---	0.015B	0	0	0.319	0.066	0.032	0.005	0	0.001	---	---	23
24	---	0.010B	0	0	0.259	0.058	0.119	0.004	0	0.001	---	---	24
25	---	0.010B	0	0	0.272	0.053	0.124	0.003	0	0.001	---	---	25
26	---	0.006B	0.001	0	0.196	0.044	0.204	0.003	0	0.001	---	---	26
27	---	0.005B	0	0	0.135	0.038	0.128	0.002	0.001	0.001	---	---	27
28	---	0.003B	0	0	0.109	0.078	0.061	0.002	0.001	0.001	---	---	28
29	---		0	0	0.099	0.097	0.036	0.002	0.001	0.001	---	---	29
30	---		0	0	0.088	0.055	0.024	0.002	0.001	0.001	---	---	30
31	---		0		0.072		0.021	0.002		0		---	31
TOTAL	---	---	0.024	0	14.860	6.150	1.476	0.283	0.015	0.028	---	---	TOTAL
MEAN	---	---	0.001	0	0.479	0.205	0.048	0.009	0.001	0.001	---	---	MEAN
MAX	---	---	0.003	0	7.62	2.27	0.204	0.020	0.002	0.001	---	---	MAX
MIN	---	---	0	0	0	0.031	0.019	0.002	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.093
MAXIMUM DAILY, 7.62 ON MAY 16
MINIMUM DAILY, 0 ON MAR 11
MAXIMUM INSTANTANEOUS,
10.4 AT 07:50 MST ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 55 N
LONG 113 35 25 W
DRAINAGE AREA, 191 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	128
FEB	---	AUG	24.5
MAR	2.07	SEP	1.30
APR	0	OCT	2.42
MAY	1 280	NOV	---
JUN	531	DEC	---

TOTAL DISCHARGE, 1 970 dam³

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.793E	1.58	4.56	3.21	2.49	3.13	---	---	1
2	---	---	---	---	1.34	2.07	5.14	3.21	2.37	2.86	---	---	2
3	---	---	---	---	1.58	2.58	6.48	3.20	2.38	2.80	---	---	3
4	---	---	---	---	1.72	2.76	6.20	3.14	2.40	2.86	---	---	4
5	---	---	---	---	1.46	2.92	6.38	3.00	2.42	2.98	---	---	5
6	---	---	---	---	1.28 E	3.19	8.28	2.93	2.42	2.66	---	---	6
7	---	---	---	---	1.19 E	3.10	9.34	3.26	2.41	2.63	---	---	7
8	---	---	---	---	1.16 E	2.92	10.1	3.53	2.45	2.76	---	---	8
9	---	---	---	---	1.08 E	3.18	11.7	3.48	2.56	2.88	---	---	9
10	---	---	---	---	0.990E	3.63	12.6	3.33	2.49	3.01	---	---	10
11	---	---	---	---	0.906E	4.70	11.8	2.99	2.33	3.02	---	---	11
12	---	---	---	---	0.850E	5.30	11.8	2.92	2.23	3.10	---	---	12
13	---	---	---	---	0.745A	0.990E	11.6	2.80	2.24	3.16	---	---	13
14	---	---	---	---	0.708E	0.567E	8.36	2.51	2.37	2.87	---	---	14
15	---	---	---	---	0.680E	0.425E	6.74	2.50	2.69	2.52	---	---	15
16	---	---	---	---	0.650E	0.425E	6.00	2.50	2.72	2.34	---	---	16
17	---	---	---	---	0.623E	0.425E	6.92	2.48	2.78	2.27	---	---	17
18	---	---	---	---	0.595E	0.425E	7.64	2.16	2.86	2.26	---	---	18
19	---	---	---	---	0.567E	0.425E	7.69	2.11	2.98	2.22	---	---	19
20	---	---	---	---	0.544A	0.425E	7.43	2.15	3.19	2.17	---	---	20
21	---	---	---	---	0.567E	0.425E	7.18	2.16	2.84	1.95	---	---	21
22	---	---	---	---	0.567E	0.736E	7.14	2.24	2.83	1.25	---	---	22
23	---	---	---	---	0.567E	1.99	6.96	2.27	2.82	1.03	---	---	23
24	---	---	---	---	0.567E	1.87	6.33	2.29	2.86	0.860	---	---	24
25	---	---	---	---	0.567E	1.81	5.24	2.37	2.91	0.701	---	---	25
26	---	---	---	---	0.623E	2.81	4.91	2.51	2.99	0	---	---	26
27	---	---	---	---	0.680E	2.93	4.74	2.71	3.16	0	---	---	27
28	---	---	---	---	0.736E	3.21	4.33	2.89	3.24	0	---	---	28
29	---		---	---	0.793E	3.49	4.00	2.87	3.18	0	---	---	29
30	---		---	---	0.850E	3.80	3.88	2.89	3.20	0	---	---	30
31	---		---		0.990E		3.50	2.70		0		---	31
TOTAL	---	---	---	---	26.968	65.008	224.97	85.31	80.81	60.291	---	---	TOTAL
MEAN	---	---	---	---	0.870	2.17	7.26	2.75	2.69	1.94	---	---	MEAN
MAX	---	---	---	---	1.72	5.30	12.6	3.53	3.24	3.16	---	---	MAX
MIN	---	---	---	---	0.544	0.425	3.50	2.11	2.23	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 12.6 ON JUL 10
MINIMUM DAILY, 0 ON OCT 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 00 N
LONG 113 11 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19 400
FEB	---	AUG	7 370
MAR	---	SEP	6 980
APR	---	OCT	5 210
MAY	2 330	NOV	---
JUN	5 620	DEC	---

LAC LA BICHE AT LAC LA BICHE - STATION NO. 07CA004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	543.359	543.339	543.330	543.301	543.271	543.132	---	---	1
2	---	---	---	---	543.359	543.339	543.330	543.301	543.261	---	---	---	2
3	---	---	---	---	543.359	543.339	543.330	543.301	543.261	---	---	---	3
4	---	---	---	---	543.359	543.339	543.320	543.301	543.261	---	---	---	4
5	---	---	---	---	543.359	543.339	543.320	543.291	543.261	---	---	---	5
6	---	---	---	---	543.369	543.339	543.320	543.291	543.261	---	---	---	6
7	---	---	---	---	543.369	543.339	543.320	543.291	543.261	---	---	---	7
8	---	---	---	---	543.369	543.340	543.320	543.291	543.261	---	---	---	8
9	---	---	---	---	543.369	543.340	543.320	543.291	543.261	---	---	---	9
10	---	---	543.517	---	543.359	543.340	543.320	543.291	543.251	---	542.812	---	10
11	---	---	---	---	543.359	543.340	543.320	543.291	543.251	---	---	---	11
12	---	---	---	---	543.360	543.340	543.320	543.291	543.251	---	---	---	12
13	---	---	---	---	543.359	543.340	543.320	543.291	543.251	---	---	---	13
14	---	---	---	---	543.349	543.340	543.320	543.291	543.251	---	---	---	14
15	---	---	---	---	543.349	543.340	543.320	543.291	543.251	---	---	---	15
16	---	---	---	---	543.349	543.340	543.327	543.291	543.251	---	---	---	16
17	---	---	---	---	543.349	543.340	543.310	543.291	---	---	---	---	17
18	---	---	---	---	543.339	543.329	543.310	543.281	---	---	---	---	18
19	---	---	---	---	543.339	543.340	543.310	543.281	---	---	---	---	19
20	---	---	---	---	543.339	543.340	543.310	543.281	---	---	---	---	20
21	---	---	---	---	543.339	543.330	543.310	543.281	---	---	---	---	21
22	---	---	---	543.373	543.339	543.330	543.310	543.281	---	---	---	---	22
23	---	---	---	---	543.339	543.330	543.310	543.281	---	---	---	---	23
24	---	---	---	---	543.339	543.330	543.310	543.271	---	---	---	---	24
25	---	---	---	---	543.339	543.330	543.300	543.271	---	---	---	---	25
26	---	---	---	---	543.339	543.330	543.300	543.271	---	---	---	---	26
27	---	---	---	---	543.339	543.330	543.300	543.271	---	---	---	---	27
28	---	---	---	---	543.339	543.330	543.300	543.271	---	---	---	---	28
29	---		---	---	543.339	543.330	543.300	543.271	---	---	---	---	29
30	---		---	---	543.339	543.330	543.301	543.271	---	---	---	---	30
31	---		---		543.339		543.301	543.271		---		---	31
MEAN	---	---	---	---	543.350	543.336	543.314	543.285	---	---	---	---	MEAN
MAX	---	---	---	---	543.369	543.340	543.330	543.301	---	---	---	---	MAX
MIN	---	---	---	---	543.339	543.329	543.300	543.271	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 46 30 N
LONG 111 58 30 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAC LA NONNE AT LAC LA NONNE - STATION NO. 07BB007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.777	0.723	0.693	0.578	0.509	---	---	1
2	---	---	---	---	---	0.777	0.723	0.688	0.579	0.509	---	---	2
3	---	---	---	---	---	0.777	0.718	0.683	0.579	0.509	---	---	3
4	---	---	---	---	---	0.777	0.708	0.683	0.579	0.509	---	---	4
5	---	---	---	---	---	0.777	0.703	0.683	0.579	0.509	---	---	5
6	---	---	---	---	---	0.782	0.698	0.683	0.579	0.508	---	---	6
7	---	---	---	---	---	0.782	0.698	0.678	0.574	0.509	---	---	7
8	---	---	---	---	---	0.777	0.703	0.668	0.574	0.509	---	---	8
9	---	---	---	---	---	0.777	0.703	0.658	0.559	0.510	---	---	9
10	---	---	---	---	---	0.757	0.703	0.658	0.559	0.510	---	---	10
11	---	---	---	---	---	0.737	0.698	0.658	0.554	0.510	---	---	11
12	---	---	---	---	---	0.737	0.688	0.658	0.554	0.510	---	---	12
13	---	---	---	---	---	0.737	0.683	0.658	0.554	0.510	---	---	13
14	---	---	---	---	---	0.737	0.683	0.658	0.554	0.510	---	---	14
15	---	---	---	---	---	0.737	0.688	0.638	0.549	0.510	---	---	15
16	---	---	---	---	---	0.757	0.683	0.628	0.549	0.509	---	---	16
17	---	---	0.707	---	---	0.757	0.678	0.628	0.549	0.494	---	---	17
18	---	---	---	---	---	0.757	0.668	0.608	0.549	0.489	---	---	18
19	---	---	---	---	---	0.757	0.673	0.608	0.549	0.479	---	---	19
20	---	---	---	---	0.777	0.757	0.673	0.608	0.549	0.479	---	---	20
21	---	---	---	---	0.782	0.757	0.673	0.598	0.549	0.474	---	---	21
22	---	---	---	---	0.782	0.747	0.673	0.598	0.554	0.474	---	---	22
23	---	---	---	---	0.782	0.742	0.673	0.593	0.549	0.474	---	---	23
24	---	---	---	---	0.782	0.728	0.688	0.593	0.539	0.469	---	---	24
25	---	---	---	---	0.782	0.723	0.688	0.593	0.539	0.459	---	---	25
26	---	---	---	---	0.782	0.723	0.688	0.593	0.539	0.459	---	---	26
27	---	---	---	---	0.782	0.723	0.693	0.588	0.529	0.459	---	---	27
28	---	---	---	---	0.782	0.723	0.698	0.588	0.529	0.454	---	---	28
29	---		---	---	0.782	0.723	0.703	0.583	0.509	0.454	---	---	29
30	---		---	---	0.782	0.723	0.703	0.583	0.509	0.459	---	---	30
31	---		---		0.782		0.698	0.578		0.459		---	31
MEAN	---	---	---	---	---	0.751	0.693	0.633	0.553	0.490	---	---	MEAN
MAX	---	---	---	---	---	0.782	0.723	0.693	0.579	0.510	---	---	MAX
MIN	---	---	---	---	---	0.723	0.668	0.578	0.509	0.454	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 54 41 N
LONG 114 16 43 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LAC STE. ANNE AT ALBERTA BEACH - STATION NO. 05EA006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	722.871	722.811	---	---	---	722.677	---	---	1
2	---	---	---	---	722.871	722.810	---	---	---	722.677	---	---	2
3	---	---	---	---	722.871	722.800	---	---	---	722.677	---	---	3
4	---	---	---	---	722.871	722.800	---	---	---	722.672	---	---	4
5	---	---	---	---	722.871	722.800	---	---	722.687	722.667	---	---	5
6	---	---	---	---	722.871	722.800	---	---	722.687E	722.667	---	---	6
7	---	---	---	---	722.871	722.790	---	---	722.687	722.672E	---	---	7
8	---	---	---	---	722.871	722.790	---	---	722.687	722.677E	---	---	8
9	---	---	---	---	722.871	722.790	---	---	722.677	722.677	---	---	9
10	---	---	---	---	722.861	722.790	---	722.760	722.677	722.677	---	---	10
11	---	---	---	---	722.861	722.780	---	---	722.667	722.677	---	---	11
12	---	---	---	---	722.861	722.780	---	---	722.667E	722.687	---	---	12
13	---	---	---	---	722.851	722.780	---	---	722.667	722.687	---	---	13
14	---	---	---	---	722.851	---	---	---	722.667	722.687	---	---	14
15	---	---	---	---	722.851	---	---	---	722.662	722.687	---	---	15
16	---	---	---	---	722.851	---	---	---	722.662	722.687E	---	---	16
17	---	---	---	---	722.841	---	---	---	722.662	722.687	---	---	17
18	---	---	---	---	722.844	---	---	---	722.662	722.687	---	---	18
19	---	---	---	---	722.831	---	---	---	722.662E	722.687E	---	---	19
20	---	---	---	---	722.831	---	---	---	722.667E	722.687E	---	---	20
21	---	---	---	---	722.831	---	---	---	722.667	722.687	---	---	21
22	---	---	---	---	722.831	---	---	---	722.672E	722.687	---	---	22
23	---	---	---	---	722.831	---	---	---	722.677E	722.682E	---	---	23
24	---	---	---	---	722.831	---	---	---	722.677	722.677	---	---	24
25	---	---	---	---	722.821	---	---	---	722.677	722.677	---	---	25
26	---	---	---	---	722.821	---	---	---	722.677	722.677	---	---	26
27	---	---	---	---	722.821	---	---	---	722.677	722.667	---	---	27
28	---	---	---	---	722.821	---	---	---	722.677	722.667	---	---	28
29	---		---	---	722.821	---	---	---	722.677	722.667	---	---	29
30	---		---	---	722.821	---	---	---	722.677E	722.667	---	---	30
31	---		722.846		722.811		---	---		722.667		---	31
MEAN	---	---	---	---	722.846	---	---	---	---	722.678	---	---	MEAN
MAX	---	---	---	---	722.871	---	---	---	---	722.687	---	---	MAX
MIN	---	---	---	---	722.811	---	---	---	---	722.667	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 40 40 N
LONG 114 21 30 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.012B	0.024B	8.93	1.83	0.244	0.008	0.002	0.003	---	---	1
2	---	---	0.013B	0.020B	8.38	1.79	0.119	0.008	0.002	0.003	---	---	2
3	---	---	0.014B	0.043B	8.45	1.59	0.039	0.009	0.002	0.004	---	---	3
4	---	---	0.015B	0.109B	8.74	1.45	0.020	0.008	0.001	0.004	---	---	4
5	---	---	0.013B	0.278B	8.57	1.30	0.014	0.007	0	0.005	---	---	5
6	---	---	0.012B	0.516B	7.73	1.10	0.012	0.008	0	0.006	---	---	6
7	---	---	0.010B	0.503B	6.49	1.22	0.011	0.009	0	0.006	---	---	7
8	---	---	0.009B	0.321B	5.41	1.18	0.010	0.009	0	0.006	---	---	8
9	---	---	0.008B	0.261B	4.85	1.10	0.015	0.011	0	0.006	---	---	9
10	---	---	0.008B	0.279B	4.33	1.12	0.014	0.014	0	0.006	---	---	10
11	---	---	0.007B	0.277B	3.65	1.17	0.008	0.016	0	0.006	---	---	11
12	---	---	0.007B	0.267B	3.15	1.11	0.005	0.022	0	0.006	---	---	12
13	---	---	0.010B	0.261B	2.68	1.06	0.003	0.020	0	0.005	---	---	13
14	---	---	0.013B	0.227B	2.23	0.962	0.002	0.018	0	0.005	---	---	14
15	---	---	0.016B	0.214B	1.88	0.895	0.001	0.022	0	0.006	---	---	15
16	---	---	0.021B	0.180B	1.64	0.985	0.002	0.022	0	0.007	---	---	16
17	---	---	0.042B	0.156B	1.37	0.845	0.002	0.022	0	0.007	---	---	17
18	---	---	0.068B	0.164B	1.12	0.710	0.002	0.024	0	0.009	---	---	18
19	---	---	0.032B	0.360B	1.08	0.799	0.001	0.026	0	0.012	---	---	19
20	---	---	0.019B	1.17 B	1.21	0.811	0.001	0.025	0	0.015	---	---	20
21	---	---	0.020B	1.68 B	1.09	0.753	0.024	0.023	0	0.013	---	---	21
22	---	---	0.019B	2.57 B	0.975	0.671	0.061	0.021	0	0.013	---	---	22
23	---	---	0.015B	2.04 B	0.856	0.658	0.021	0.017	0	0.013	---	---	23
24	---	---	0.012B	2.71 B	0.640	0.559	0.017	0.013	0	0.012	---	---	24
25	---	---	0.012B	4.64 B	0.528	0.541	0.014	0.012	0.001	0.013B	---	---	25
26	---	---	0.018B	5.73 B	0.416	0.390	0.014	0.009	0.001	0.014B	---	---	26
27	---	---	0.018B	8.93 B	0.520	0.250	0.011	0.006	0.001	0.014B	---	---	27
28	---	---	0.023B	10.6	0.796	0.331	0.006	0.002	0.002	0.012B	---	---	28
29	---		0.027B	12.1	0.906	0.391	0.005	0.001	0.003	0.011B	---	---	29
30	---		0.025B	10.2	1.23	0.371	0.004	0.001	0.003	0.010B	---	---	30
31	---		0.019B		1.64		0.008	0.002		0.009B		---	31
TOTAL	---	---	0.557	66.830	101.487	27.942	0.710	0.415	0.018	0.261	---	---	TOTAL
MEAN	---	---	0.018	2.23	3.27	0.931	0.023	0.013	0.001	0.008	---	---	MEAN
MAX	---	---	0.068	12.1	8.93	1.83	0.244	0.026	0.003	0.015	---	---	MAX
MIN	---	---	0.007	0.020	0.416	0.250	0.001	0.001	0	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.809
MAXIMUM DAILY, 12.1 ON APR 29
MINIMUM DAILY, 0 ON SEP 5
MAXIMUM INSTANTANEOUS,
12.5 AT 04:00 MST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 04 40 N
LONG 115 05 30 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	61.3
FEB	---	AUG	35.9
MAR	48.1	SEP	1.56
APR	5 770	OCT	22.6
MAY	8 770	NOV	---
JUN	2 410	DEC	---

TOTAL DISCHARGE, 17 100 dam³

LAKE ABRAHAM NEAR NORDEGG - STATION NO. 05DC009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1307.74	1303.87	1302.87	1300.49	1295.86	1294.03	1298.08	1314.39	1320.18	1319.94	1317.16	1313.17	1
2	1307.62	1303.72	1302.90	1300.34	1295.55	1294.27	1298.17	1314.63	1320.21	1319.88	1317.10	1312.99	2
3	1307.50	1303.60	1302.93	1300.12	1295.28	1294.52	1298.60	1314.88	1320.18	1319.84	1317.01	1312.83	3
4	1307.38	1303.48	1302.96	1299.97	1294.94	1294.73	1299.18	1315.09	1320.18	1319.78	1316.92	1312.65	4
5	1307.26	1303.36	1302.99	1299.85	1294.61	1294.82	1299.85	1315.30	1320.12	1319.63	1316.83	1312.47	5
6	1307.13	1303.20	1303.02	1299.70	1294.33	1294.88	1300.49	1315.52	1320.06	1319.51	1316.71	1312.32	6
7	1307.01	1303.08	1303.02	1299.51	1294.00	1294.97	1301.01	1315.76	1320.06	1319.42	1316.55	1312.13	7
8	1306.89	1302.93	1303.05	1299.36	1293.69	1294.97	1301.37	1316.10	1320.06	1319.30	1316.43	1311.95	8
9	1306.77	1302.84	1303.08	1299.18	1293.33	1294.88	1301.68	1316.43	1320.09	1319.17	1316.28	1311.80	9
10	1306.65	1302.68	1303.11	1299.03	1293.05	1294.88	1301.95	1316.71	1320.15	1319.02	1316.16	1311.62	10
11	1306.53	1302.53	1303.11	1298.84	1292.72	1294.91	1302.23	1316.92	1320.18	1318.93	1316.07	1311.46	11
12	1306.40	1302.47	1303.11	1298.69	1292.38	1294.91	1302.56	1317.16	1320.21	1318.93	1315.91	1311.31	12
13	1306.25	1302.50	1303.08	1298.54	1292.05	1294.91	1302.90	1317.41	1320.24	1318.84	1315.79	1311.13	13
14	1306.13	1302.53	1302.99	1298.36	1291.71	1294.94	1303.81	1317.65	1320.24	1318.72	1315.70	1310.91	14
15	1306.01	1302.56	1302.93	1298.20	1291.44	1295.03	1304.67	1317.89	1320.21	1318.60	1315.55	1310.70	15
16	1305.89	1302.53	1302.84	1298.02	1291.13	1295.13	1305.37	1318.14	1320.21	1318.47	1315.43	1310.55	16
17	1305.73	1302.56	1302.72	1297.87	1290.86	1295.28	1305.98	1318.38	1320.24	1318.38	1315.27	1310.34	17
18	1305.64	1302.59	1302.56	1297.72	1290.58	1295.46	1306.62	1318.56	1320.27	1318.32	1315.12	1310.18	18
19	1305.49	1302.62	1302.41	1297.59	1290.40	1295.58	1307.29	1318.78	1320.36	1318.23	1314.97	1310.03	19
20	1305.37	1302.65	1302.26	1297.44	1290.31	1295.74	1307.90	1318.93	1320.45	1318.14	1314.85	1309.91	20
21	1305.25	1302.68	1302.11	1297.29	1290.40	1295.86	1308.60	1319.08	1320.49	1318.08	1314.72	1309.73	21
22	1305.12	1302.72	1301.98	1297.14	1290.65	1295.89	1309.27	1319.17	1320.42	1318.02	1314.60	1309.60	22
23	1305.00	1302.72	1301.86	1297.02	1290.95	1295.95	1309.88	1319.30	1320.36	1317.92	1314.48	1309.42	23
24	1304.88	1302.75	1301.71	1296.86	1291.29	1296.10	1310.43	1319.39	1320.30	1317.86	1314.30	1309.30	24
25	1304.76	1302.78	1301.56	1296.74	1291.77	1296.19	1310.88	1319.51	1320.27	1317.77	1314.15	1309.18	25
26	1304.64	1302.81	1301.40	1296.59	1292.44	1296.34	1311.37	1319.69	1320.24	1317.68	1313.96	1309.02	26
27	1304.51	1302.84	1301.25	1296.47	1292.96	1296.68	1311.83	1319.84	1320.18	1317.62	1313.87	1308.90	27
28	1304.36	1302.87	1301.10	1296.44	1293.27	1296.92	1312.38	1319.97	1320.12	1317.50	1313.69	1308.75	28
29	1304.24		1300.95	1296.34	1293.42	1297.11	1313.05	1320.03	1320.09	1317.41	1313.51	1308.63	29
30	1304.12		1300.79	1296.13	1293.60	1297.41	1313.63	1320.15	1320.03	1317.32	1313.38	1308.48	30
31	1304.00		1300.64		1293.82		1314.05	1320.18		1317.22		1308.32	31
MEAN	1305.88	1302.87	1302.36	1298.19	1292.67	1295.44	1305.65	1317.77	1320.21	1318.56	1315.42	1310.64	MEAN
MAX	1307.74	1303.87	1303.11	1300.49	1295.86	1297.41	1314.05	1320.18	1320.49	1319.94	1317.16	1313.17	MAX
MIN	1304.00	1302.47	1300.64	1296.13	1290.31	1294.03	1298.08	1314.39	1320.03	1317.22	1313.38	1308.32	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1307.17
MAXIMUM DAILY, 1320.49 ON SEP 21
MINIMUM DAILY, 1290.31 ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 18 28 N
LONG 116 19 42 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED SINCE 1972

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA AT BUSTARD ISLAND - STATION NO. 07MD002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	208.279	208.237	208.177	208.348	208.761	208.853	208.822	---	208.433	208.104	---	1
2	---	208.286	208.226	208.164	208.377	208.779	208.865	208.827	---	208.414	208.087	---	2
3	---	208.285	208.220	208.147	208.426	208.767	208.852	208.851	---	208.266	208.208	---	3
4	---	208.256	208.233	208.168	208.479	208.772	208.732	208.847	---	208.378	208.324	---	4
5	---	208.264	208.241	208.191	208.508	208.791	208.860	208.830	---	208.464	208.176	---	5
6	---	208.239	208.230	208.172	208.573	209.047	---	---	---	208.508	208.206	---	6
7	208.319	208.263	208.214	208.176	208.603	208.989	---	---	---	208.709	208.154	---	7
8	---	208.241	208.231	208.177	208.609	208.897	---	---	---	208.664	208.188	---	8
9	---	208.248	208.216	208.201	208.642	208.868	---	---	---	208.552	208.226	---	9
10	---	208.246	208.222	208.202	208.656	208.858	---	---	---	208.430	208.218	---	10
11	---	208.253	208.193	208.194	208.656	208.865	---	---	---	208.355	208.258	---	11
12	---	208.248	208.206	208.188	208.658	208.887	---	---	---	208.334	---	---	12
13	---	208.268	208.204	208.199	208.677	208.863	---	---	---	208.334	---	---	13
14	---	208.257	208.211	208.206	208.698	208.874	---	---	208.611	208.352	---	---	14
15	---	208.238	208.203	208.196	208.693	208.884	---	---	208.602	208.321	---	---	15
16	---	208.244	208.207	208.213	208.678	208.905	---	---	208.537	208.315	---	---	16
17	---	208.227	208.194	208.204	208.682	208.884	---	---	208.531	208.312	---	---	17
18	---	208.249	208.193	208.219	208.690	208.899	---	---	208.597	208.308	---	208.120	18
19	---	208.241	208.171	208.245	208.681	208.916	---	---	208.691	208.407	---	---	19
20	---	208.234	208.184	208.238	208.694	208.928	---	---	208.543	208.279	---	---	20
21	---	208.226	208.180	208.221	208.745	208.885	---	---	208.474	208.181	---	---	21
22	---	208.240	208.192	208.230	208.757	208.886	---	---	208.508	208.206	---	---	22
23	---	208.252	208.201	208.237	208.730	208.878	---	---	208.497	208.149	---	---	23
24	---	208.236	208.187	208.276	208.741	208.901	---	---	208.483	208.280	---	---	24
25	---	208.245	208.195	208.262	208.735	208.891	---	---	208.496	208.225	---	---	25
26	---	208.234	208.174	208.262	208.736	208.883	---	---	208.549	208.287	---	---	26
27	208.343	208.228	208.181	208.258	208.809	208.869	---	---	208.576	208.197	---	---	27
28	208.318	208.229	208.169	208.282	208.736	208.871	---	---	208.564	208.201	---	---	28
29	208.294		208.180	208.290	208.750	208.890	---	---	208.469	208.241	---	---	29
30	208.280		208.176	208.324	208.805	208.825	208.882	---	208.451	208.167	---	---	30
31	208.285		208.168		208.787		208.846	---		208.158		---	31
MEAN	---	208.248	208.201	208.217	208.657	208.874	---	---	---	208.336	---	---	MEAN
MAX	---	208.286	208.241	208.324	208.809	209.047	---	---	---	208.709	---	---	MAX
MIN	---	208.226	208.168	208.147	208.348	208.761	---	---	---	208.149	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 46 55 N
LONG 110 46 40 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA AT FORT CHIPEWYAN - STATION NO. 07MD001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	208.072	208.006	207.929	208.379	208.725	208.775	208.765	208.562	208.288	---	208.054	1
2	---	208.074	207.989	207.924	208.613	208.779	208.798	208.789	208.540	208.304	---	208.029	2
3	208.300	208.074	207.968	207.914	208.847	208.728	208.737	208.830	208.594	208.012	---	207.994	3
4	208.273	208.039	207.995	207.892	208.881	208.731	208.464	208.829	208.705	208.306	---	208.051	4
5	208.251	208.047	207.980	207.937	208.822	208.754	208.780	208.793	208.614	208.429	207.980	208.136	5
6	208.273	208.015	207.958	207.930	208.767	209.135	208.886	208.731	208.618	208.494	207.980	208.169	6
7	208.225	208.045	207.958	207.926	208.648	209.102	208.873	208.773	208.708	208.856	207.966	208.065	7
8	208.232	208.006	207.963	207.948	208.625	208.957	208.621	208.781	208.558	208.763	207.856	208.005	8
9	208.241	208.003	207.943	207.982	208.598	208.869	208.657	208.729	208.611	208.558	207.817	---	9
10	208.228	208.010	207.942	207.997	208.608	208.858	208.794	208.725	208.383	208.415	207.818	---	10
11	208.206	---	207.902	207.972	208.612	208.893	208.896	208.768	208.562	208.268	207.778	208.078	11
12	208.197	---	207.933	207.990	208.635	208.905	208.902	208.544	208.464	208.264	207.795	208.021	12
13	208.181	---	207.936	208.006	208.695	208.853	208.893	208.753	208.556	208.247	207.924	208.026	13
14	208.188	208.057	207.926	208.019	208.771	208.849	209.047	208.780	208.589	208.299	208.046	208.033	14
15	208.189	208.029	207.944	208.028	208.708	208.848	208.960	208.714	208.587	208.234	208.116	208.062	15
16	208.172	208.020	207.959	208.025	208.649	208.895	208.859	208.717	208.503	208.254	208.106	208.049	16
17	208.176	208.025	207.925	208.028	208.673	208.840	208.798	208.746	208.536	208.227	208.088	208.032	17
18	208.161	208.024	207.911	208.027	208.685	208.867	208.981	208.611	208.662	208.297	208.028	208.018	18
19	208.163	208.013	207.902	208.059	208.675	208.903	209.116	208.841	208.726	208.426	208.031	207.997	19
20	208.138	208.011	207.900	208.056	208.685	208.905	208.931	208.737	208.505	208.074	208.029	207.976	20
21	208.140	207.996	207.906	208.021	208.750	208.822	208.875	208.727	208.442	---	208.030	207.963	21
22	208.146	208.032	207.900	208.025	208.828	208.855	208.852	208.768	208.515	---	208.044	207.951	22
23	208.124	208.005	207.927	208.027	208.718	208.845	208.965	208.731	208.431	---	208.007	207.936	23
24	208.103	208.012	207.947	208.066	208.719	208.896	208.823	208.822	208.412	---	208.016	207.932	24
25	208.109	208.018	207.961	208.099	208.729	208.854	208.853	208.801	208.447	---	208.040	207.943	25
26	208.109	208.007	207.953	208.113	208.731	208.773	208.798	208.761	208.545	---	208.011	207.935	26
27	208.110	207.995	207.962	208.138	208.931	208.806	208.731	208.689	208.565	---	208.004	207.931	27
28	208.115	207.993	207.947	208.201	208.721	208.813	208.808	208.608	208.492	---	207.980	207.944	28
29	208.095		207.965	208.255	208.747	208.819	208.865	208.697	208.408	---	208.013	207.964	29
30	208.070		207.947	208.304	208.871	208.692	208.805	208.660	208.397	---	208.015	207.971	30
31	208.077		207.942		208.816		208.828	208.670		---		---	31
MEAN	---	---	207.945	208.028	208.714	208.852	208.838	208.745	208.541	---	---	---	MEAN
MAX	---	---	208.006	208.304	208.931	209.135	209.116	208.841	208.726	---	---	---	MAX
MIN	---	---	207.900	207.892	208.379	208.692	208.464	208.544	208.383	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 209.135 ON JUN 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 42 40 N
LONG 111 08 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER - STATION NO. 07KF002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.541	208.544	---	208.471	208.873	208.982	208.960	208.739	208.595	208.459	208.377	208.329	1
2	208.540	208.543	---	208.469	208.933	208.983	208.899	208.715	208.760	208.527	208.372	208.330	2
3	208.544	208.544	---	208.465	208.998	209.056	208.946	208.673	208.602	208.821	208.371	208.331	3
4	208.547	208.545	---	208.466	209.055	209.038	209.118	208.664	208.545	208.611	208.363	208.333	4
5	208.547	208.545	---	208.466	---	209.064	208.847	208.684	208.535	208.495	208.359	208.330	5
6	208.549	---	---	208.466	---	208.858	208.751	208.780	208.524	208.489	208.356	208.332	6
7	208.550	---	---	208.467	209.099	208.827	208.814	208.720	208.522	208.579	208.353	208.331	7
8	208.552	---	---	208.467	209.081	208.911	209.092	208.669	208.578	208.600	208.352	208.331	8
9	208.552	---	---	208.468	209.053	208.985	209.075	208.711	208.539	208.581	208.349	---	9
10	208.553	---	---	208.469	209.050	208.967	208.943	208.741	208.780	208.527	208.346	---	10
11	208.553	---	---	208.471	---	208.952	208.791	208.660	208.617	208.548	208.342	---	11
12	208.553	---	208.477	208.470	---	208.943	208.740	208.896	208.751	208.524	208.340	---	12
13	208.555	---	---	208.471	---	208.950	208.763	208.771	208.566	208.547	208.339	---	13
14	208.557	---	---	208.471	---	208.925	208.743	208.607	208.513	208.484	208.341	---	14
15	208.558	---	---	208.470	208.974	208.953	208.759	208.646	208.510	208.506	208.339	---	15
16	208.559	208.508	---	208.469	---	208.916	208.778	208.686	208.489	208.514	208.338	---	16
17	208.561	---	---	208.469	---	208.943	208.828	208.590	208.483	208.621	208.339	---	17
18	208.563	---	---	208.468	209.022	208.932	208.802	208.628	208.480	208.495	208.336	---	18
19	208.564	---	208.501	208.465	209.020	208.897	208.709	208.574	208.514	208.482	208.335	---	19
20	208.562	---	208.507	208.466	209.033	208.855	208.710	208.604	208.531	208.459	208.333	---	20
21	208.562	---	208.509	208.467	208.972	208.877	208.734	208.593	208.597	208.447	208.336	208.309	21
22	208.560	---	208.506	208.468	208.856	208.879	208.745	208.570	208.491	208.436	208.333	208.311	22
23	208.558	---	208.505	208.479	208.986	208.892	208.755	208.594	208.508	208.422	208.327	208.310	23
24	208.556	---	208.501	208.500	208.990	208.876	208.776	208.540	208.473	208.413	208.327	208.308	24
25	208.555	---	208.496	208.570	208.984	---	208.732	208.538	208.463	208.407	208.328	---	25
26	208.554	---	208.493	208.678	208.989	---	208.715	208.549	208.444	208.401	208.328	---	26
27	208.551	---	208.489	208.790	208.876	---	208.809	208.574	208.492	208.400	208.330	---	27
28	208.551	---	208.484	208.842	208.989	---	208.790	208.733	208.509	208.395	208.327	---	28
29	208.550		208.478	208.848	208.982	208.867	208.701	208.642	208.486	208.388	208.328	---	29
30	208.549		208.474	208.846	208.920	209.032	208.694	208.611	208.448	208.383	208.328	---	30
31	208.546		208.474		208.931		208.691	208.560		208.384		---	31
MEAN	208.553	---	---	208.528	---	---	208.813	208.654	208.545	208.495	208.342	---	MEAN
MAX	208.564	---	---	208.848	---	---	209.118	208.896	208.780	208.821	208.377	---	MAX
MIN	208.540	---	---	208.465	---	---	208.691	208.538	208.444	208.383	208.327	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 00 N
LONG 111 41 50 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

LAKE MINNEWANKA NEAR BANFF - STATION NO. 05BD003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1473.04	1472.28	1471.21	1469.81	1468.65	1470.42	1471.85	1474.53	1474.53	1475.05	1474.81	1473.74	1
2	1473.01	1472.24	1471.15	1469.78	1468.62	1470.57	1471.97	1474.59	1474.56	1475.05	1474.81	1473.71	2
3	1472.98	1472.21	1471.12	1469.72	1468.59	1470.75	1472.06	1474.62	1474.59	1475.02	1474.77	1473.68	3
4	1472.95	1472.21	1471.06	1469.65	1468.56	1470.81	1472.21	1474.65	1474.62	1475.02	1474.74	1473.65	4
5	1472.92	1472.18	1471.03	1469.59	1468.50	1470.87	1472.34	1474.68	1474.65	1474.99	1474.74	1473.62	5
6	1472.89	1472.15	1470.96	1469.56	1468.47	1470.90	1472.46	1474.71	1474.68	1475.02	1474.71	1473.59	6
7	1472.85	1472.12	1470.90	1469.50	1468.43	1470.96	1472.58	1474.71	1474.71	1475.02	1474.68	1473.53	7
8	1472.79	1472.09	1470.84	1469.44	1468.40	1470.96	1472.67	1474.74	1474.74	1474.99	1474.68	1473.46	8
9	1472.79	1472.06	1470.78	1469.38	1468.34	1470.96	1472.73	1474.74	1474.77	1474.99	1474.65	1473.43	9
10	1472.79	1472.03	1470.72	1469.35	1468.28	1470.96	1472.76	1474.74	1474.81	1474.99	1474.65	1473.40	10
11	1472.79	1472.00	1470.69	1469.29	1468.22	1470.93	1472.82	1474.71	1474.81	1474.99	1474.62	1473.37	11
12	1472.76	1471.97	1470.66	1469.26	1468.19	1470.93	1472.89	1474.71	1474.81	1474.96	1474.59	1473.31	12
13	1472.73	1471.94	1470.63	1469.20	1468.19	1470.96	1472.98	1474.71	1474.81	1474.96	1474.56	1473.25	13
14	1472.70	1471.91	1470.60	1469.17	1468.19	1471.00	1473.07	1474.68	1474.81	1474.96	1474.50	1473.22	14
15	1472.67	1471.91	1470.60	1469.14	1468.22	1471.03	1473.19	1474.68	1474.81	1474.96	1474.47	1473.22	15
16	1472.67	1471.88	1470.57	1469.14	1468.22	1471.06	1473.34	1474.65	1474.84	1474.96	1474.41	1473.19	16
17	1472.64	1471.85	1470.54	1469.11	1468.22	1471.09	1473.49	1474.65	1474.87	1474.96	1474.38	1473.10	17
18	1472.61	1471.82	1470.48	1469.08	1468.25	1471.12	1473.59	1474.65	1474.90	1474.93	1474.32	1473.07	18
19	1472.58	1471.79	1470.45	1469.04	1468.28	1471.12	1473.65	1474.62	1474.93	1474.93	1474.26	1473.01	19
20	1472.55	1471.73	1470.39	1469.04	1468.28	1471.15	1473.71	1474.62	1474.93	1474.93	1474.23	1472.98	20
21	1472.52	1471.70	1470.32	1469.01	1468.34	1471.15	1473.77	1474.59	1474.96	1474.93	1474.20	1472.92	21
22	1472.49	1471.64	1470.26	1469.01	1468.47	1471.15	1473.83	1474.59	1474.99	1474.90	1474.13	1472.82	22
23	1472.49	1471.60	1470.23	1468.98	1468.59	1471.18	1473.89	1474.56	1475.02	1474.90	1474.10	1472.76	23
24	1472.46	1471.54	1470.14	1468.95	1468.77	1471.24	1473.95	1474.53	1475.05	1474.90	1474.04	1472.73	24
25	1472.46	1471.48	1470.11	1468.92	1469.04	1471.30	1474.04	1474.50	1475.05	1474.87	1474.01	1472.67	25
26	1472.40	1471.42	1470.08	1468.86	1469.41	1471.39	1474.07	1474.47	1475.08	1474.87	1473.95	1472.61	26
27	1472.37	1471.36	1470.02	1468.80	1469.68	1471.48	1474.10	1474.47	1475.08	1474.90	1473.92	1472.55	27
28	1472.34	1471.27	1469.99	1468.77	1469.90	1471.57	1474.17	1474.44	1475.08	1474.87	1473.86	1472.49	28
29	1472.31		1469.96	1468.74	1469.99	1471.64	1474.20	1474.47	1475.05	1474.84	1473.83	1472.43	29
30	1472.28		1469.90	1468.71	1470.11	1471.73	1474.32	1474.50	1475.02	1474.81	1473.77	1472.40	30
31	1472.28		1469.87		1470.29		1474.44	1474.53		1474.81		1472.37	31
MEAN	1472.65	1471.87	1470.52	1469.20	1468.70	1471.08	1473.26	1474.61	1474.85	1474.94	1474.38	1473.11	MEAN
MAX	1473.04	1472.28	1471.21	1469.81	1470.29	1471.73	1474.44	1474.74	1475.08	1475.05	1474.81	1473.74	MAX
MIN	1472.28	1471.27	1469.87	1468.71	1468.19	1470.42	1471.85	1474.44	1474.53	1474.81	1473.77	1472.37	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1472.44
MAXIMUM DAILY, 1475.08 ON SEP 26
MINIMUM DAILY, 1468.19 ON MAY 12

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 14 10 N
LONG 115 29 10 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE SHERBURNE - STATION NO. 05AE036

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1451.229	1452.537	1453.283	1447.053	1444.124	1454.609	1459.401	1457.978	1451.958	1442.098	1443.597	1444.633	1
2	1451.339	1452.570	1453.286	1446.788	1444.859	1454.847	1459.407	1457.849	1451.677	1442.362	1443.627	1444.664	2
3	1451.424	1452.601	1453.271	1446.486	1445.246	1455.127	1459.379	1457.733	1451.394	1442.423	1443.643	1444.685	3
4	1451.491	1452.616	1453.247	1446.197	1445.480	1455.457	1459.379	1457.602	1451.101	1442.475	1443.685	1444.703	4
5	1451.558	1452.643	1453.192	1445.886	1445.621	1455.774	1459.425	1457.477	1450.808	1442.527	1443.737	1444.752	5
6	1451.650	1452.668	1453.119	1445.572	1445.727	1456.060	1459.413	1457.319	1450.507	1442.570	1443.813	1444.807	6
7	1451.668	1452.698	1453.043	1445.267	1445.828	1456.356	1459.462	1457.139	1450.214	1442.661	1443.786	1444.843	7
8	1451.714	1452.719	1452.942	1444.941	1445.953	1456.603	1459.373	1456.962	1449.912	1442.698	1443.908	1444.874	8
9	1451.775	1452.738	1452.805	1444.624	1446.084	1456.834	1459.328	1456.789	1449.592	1442.746	1443.874	1444.926	9
10	1451.784	1452.753	1452.622	1444.280	1446.200	1457.032	1459.300	1456.597	1449.272	1442.753	1443.880	1444.984	10
11	1451.884	1452.768	1452.399	1443.920	1446.316	1457.194	1459.334	1456.417	1448.949	1442.804	1443.923	1445.017	11
12	1451.918	1452.796	1452.113	1443.551	1446.413	1457.365	1459.422	1456.228	1448.635	1442.853	1443.987	1445.045	12
13	1451.948	1452.823	1451.839	1443.167	1446.456	1457.517	1459.385	1456.048	1448.309	1442.893	1443.978	1445.096	13
14	1451.970	1452.838	1451.540	1442.765	1446.392	1457.679	1459.401	1455.859	1447.995	1442.932	1444.152	1445.130	14
15	1452.012	1452.896	1451.330	1442.372	1446.767	1457.804	1459.376	1455.682	1447.657	1442.960	1444.115	1445.139	15
16	1452.034	1452.939	1451.043	1442.225	1447.248	1457.962	1459.328	1455.508	1447.318	1442.993	1444.112	1445.179	16
17	1452.061	1452.780	1450.848	1442.119	1447.605	1458.157	1459.245	1455.301	1446.974	1443.024	1444.170	1445.212	17
18	1452.092	1452.997	1450.555	1442.064	1447.852	1458.316	1459.129	1455.109	1446.620	1443.057	1444.222	1445.237	18
19	1452.125	1453.049	1450.321	1442.055	1448.157	1458.434	1459.014	1454.908	1446.273	1443.091	1444.264	1445.273	19
20	1452.146	1453.085	1450.077	1442.103	1448.553	1458.553	1458.867	1454.698	1445.855	1443.130	1444.307	1445.319	20
21	1452.180	1453.119	1449.809	1442.137	1449.044	1458.681	1458.779	1454.496	1445.508	1443.167	1444.362	1445.349	21
22	1452.201	1453.155	1449.559	1442.213	1449.781	1458.773	1458.730	1454.280	1445.103	1443.198	1444.411	1445.380	22
23	1452.235	1453.174	1449.318	1442.295	1450.464	1458.834	1458.700	1454.039	1444.715	1443.231	1444.429	1445.410	23
24	1452.281	1453.183	1449.031	1442.621	1451.013	1458.901	1458.678	1453.795	1444.301	1443.262	1444.459	1445.441	24
25	1452.317	1453.235	1448.717	1442.984	1451.601	1458.980	1458.697	1453.561	1443.847	1443.307	1444.499	1445.468	25
26	1452.348	1453.247	1448.400	1442.978	1452.189	1459.108	1458.727	1453.350	1443.362	1443.353	1444.523	1445.182	26
27	1452.381	1453.280	1448.090	1442.832	1452.738	1459.285	1458.703	1453.128	1442.929	1443.390	1444.545	1445.511	27
28	1452.415	1453.286	1447.770	1443.015	1453.180	1459.309	1458.584	1452.890	1442.542	1443.426	1444.563	1445.538	28
29	1452.448		1447.459	1443.286	1453.558	1459.312	1458.425	1452.652	1442.320	1443.463	1444.581	1445.569	29
30	1452.476		1447.200	1443.585	1453.933	1459.340	1458.291	1452.424	1442.225	1443.508	1444.600	1445.587	30
31	1452.506		1447.129		1454.289		1458.130	1452.192		1443.551		1445.608	31
MEAN	1451.987	1452.900	1450.818	1443.713	1448.344	1457.607	1459.058	1455.355	1447.262	1442.965	1444.125	1445.147	MEAN
MAX	1452.506	1453.286	1453.286	1447.053	1454.289	1459.340	1459.462	1457.974	1451.954	1443.551	1444.600	1445.608	MAX
MIN	1451.229	1452.537	1447.129	1442.055	1444.124	1454.609	1458.130	1452.192	1442.225	1442.094	1443.597	1444.633	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1449.935
MAXIMUM DAILY, 1459.462 ON JUL 7
MINIMUM DAILY, 1442.055 ON APR 19
MAXIMUM INSTANTANEOUS,
1459.462 AT 24:00 MDT ON JUL 7

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 49 50 N
LONG 113 31 10 W

REGULATED

WATER LEVELS ARE REFERRED TO UNITED STATES RECLAMATION SERVICE DATUM
APPLY 2.880 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.325B	0.149	0	0	0	0	0	---	---	1
2	---	---	0 B	0.522B	0.115	0	0	0	0	0	---	---	2
3	---	---	0 B	0.875	0.089	0	0	0	0	0	---	---	3
4	---	---	0 B	1.32	0.103	0	0	0	0	0	---	---	4
5	---	---	0 B	2.09 A	0.105	0	0	0	0	0	---	---	5
6	---	---	0 B	2.33 A	0.081	0	0	0	0	0	---	---	6
7	---	---	0 B	2.42	0.068	0	0	0	0	0	---	---	7
8	---	---	0 B	2.79	0.067	0	0	0	0	0	---	---	8
9	---	---	0 B	3.28	0.054	0	0	0	0	0	---	---	9
10	---	---	0 B	2.36	0.052	0	0	0	0	0	---	---	10
11	---	---	0 B	0.773	0.064	0	0	0	0	0	---	---	11
12	---	---	0 B	0.272A	0.051	0	0	0	0	0	---	---	12
13	---	---	0.001B	0.270A	0.021	0	0	0	0	0	---	---	13
14	---	---	0.002B	0.424	0.015	0	0	0	0	0	---	---	14
15	---	---	0.004B	1.32	0.012	0	0	0	0	0	---	---	15
16	---	---	0.009B	2.01	0.011	0	0	0	0	0	---	---	16
17	---	---	0.005B	2.29	0.035	0.002	0	0	0	0	---	---	17
18	---	---	0.003B	3.18	0.029	0.001	0	0	0	0	---	---	18
19	---	---	0.002B	5.39	0.013	0.001	0	0	0	0	---	---	19
20	---	---	0.001B	6.06	0.012	0.001	0.001	0	0	0	---	---	20
21	---	---	0 B	2.18	0.010	0.001	0.003	0	0	0	---	---	21
22	---	---	0.001B	0.908	0.008	0.001	0.002	0	0	0	---	---	22
23	---	0B	0.003B	0.521	0.006	0.001	0.001	0	0	0	---	---	23
24	---	0B	0.014B	0.331	0.005	0.001	0.001	0	0	0	---	---	24
25	---	0B	0.016B	0.270	0.003	0	0.001	0	0	0	---	---	25
26	---	0B	0.013B	0.239	0.002	0	0	0	0	0	---	---	26
27	---	0B	0.021B	0.236	0.001	0	0	0	0	0	---	---	27
28	---	0B	0.133B	0.224	0.001	0	0	0	0	0	---	---	28
29	---		0.178B	0.170	0	0	0	0	0	0	---	---	29
30	---		0.156B	0.143	0	0	0	0	0	0	---	---	30
31	---		0.183B		0		0	0		0		---	31
TOTAL	---	---	0.745	45.523	1.182	0.009	0.009	0	0	0	---	---	TOTAL
MEAN	---	---	0.024	1.52	0.038	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.183	6.06	0.149	0.002	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.143	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.194
MAXIMUM DAILY, 6.06 ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.43 AT 09:00 MST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 47 29 N
LONG 117 20 10 W
DRAINAGE AREA, 160 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.78
FEB	---	AUG	0
MAR	64.4	SEP	0
APR	3 930	OCT	0
MAY	102	NOV	---
JUN	0.78	DEC	---

TOTAL DISCHARGE, 4 100 dam³

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.171	---	---	---	---	---	---	1
2	---	---	---	---	0	0.136	---	---	---	---	---	---	2
3	---	---	---	---	0	0.106	---	---	0.340A	---	0A	---	3
4	---	---	---	---	0	0.181	---	---	---	---	---	---	4
5	---	---	---	---	0	0.143	---	---	---	---	---	---	5
6	---	---	---	---	0	0.107	---	---	---	---	---	---	6
7	---	---	---	---	0	0.154	---	---	---	---	---	---	7
8	---	---	---	---	0.010	0.147	---	---	---	---	---	---	8
9	---	---	---	---	0.008	0.061	---	---	---	---	---	---	9
10	---	---	---	---	0.007	0.097	---	---	---	---	---	---	10
11	---	---	---	---	0.007	0.044	---	---	---	---	---	---	11
12	---	---	---	---	0.002	0.051	---	---	---	---	---	---	12
13	---	---	---	---	0.017	0.533	---	0.158A	---	---	---	---	13
14	---	---	---	---	0.052	0.404	---	---	---	0.027A	---	---	14
15	---	---	---	---	0.039	---	---	---	---	---	---	---	15
16	---	---	---	---	0.047	---	---	---	---	---	---	---	16
17	---	---	---	---	0.021	---	---	---	---	---	---	---	17
18	---	---	---	---	0.022	---	---	---	---	---	---	---	18
19	---	---	---	---	0.033	---	---	---	---	---	---	---	19
20	---	---	---	---	0.030	---	---	---	---	---	---	---	20
21	---	---	---	---	0.027	---	0.077A	---	---	---	---	---	21
22	---	---	---	---	0.020	---	---	---	---	---	---	---	22
23	---	---	---	0A	0.018	---	---	---	0.158A	---	---	---	23
24	---	---	---	0	0.023	---	---	---	---	---	---	---	24
25	---	---	---	0	0.017	---	---	---	---	---	---	---	25
26	---	---	---	0	0.043	0.118A	---	---	---	---	---	---	26
27	---	---	---	0	0.080	---	---	---	---	---	---	---	27
28	---	---	---	0	0.147	---	---	---	---	---	---	---	28
29	---		---	0	0.115	---	---	---	---	---	---	---	29
30	---		---	0	0.249	---	---	---	---	---	---	---	30
31	---		---		0.102		---	---		---		---	31
TOTAL	---	---	---	---	1.136	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	0.037	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	0.249	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	0	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 50 N
LONG 112 25 35 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	98.2	NOV	---
JUN	---	DEC	---

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO. 05AE040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1.42 E	0.547	0.187	0.050	0.028	---	---	1
2	---	---	---	---	---	1.39 E	0.484	0.170	0.052	0.028	---	---	2
3	---	---	---	---	---	1.35	0.442	0.158	0.048	0.028	---	---	3
4	---	---	---	---	---	1.27	0.412	0.151	0.048	0.031	---	---	4
5	---	---	---	---	---	1.18	0.386	0.144	0.048	0.032	---	---	5
6	---	---	---	---	---	1.14	0.375	0.159	0.045	0.053	---	---	6
7	---	---	---	---	---	1.07	0.371	0.140	0.044	0.054	---	---	7
8	---	---	---	---	---	1.02	0.358	0.125	0.038	0.054	---	---	8
9	---	---	---	---	---	0.991	0.327	0.118	0.029	0.054	---	---	9
10	---	---	---	---	---	0.927	0.326	0.113	0.027	0.055	---	---	10
11	---	---	---	---	0.963A	0.879	0.344	0.106	0.026	0.072	---	---	11
12	---	---	---	---	0.873	0.958	0.313	0.089	0.025	0.079	---	---	12
13	---	---	---	---	0.789	1.48	0.306	0.087	0.026	0.071	---	---	13
14	---	---	---	---	0.757	2.40	0.300	0.101	0.028	0.086	---	---	14
15	---	---	---	---	4.28	1.99	0.300	0.105	0.034	0.099	---	---	15
16	---	---	---	---	2.14	1.49	0.321	0.089	0.032	0.087	---	---	16
17	---	---	---	---	---	1.24	0.303	0.092	0.027	0.079	---	---	17
18	---	---	---	---	---	1.12	0.288	0.079	0.024	0.075	---	---	18
19	---	---	---	---	---	1.05	0.277	0.073	0.023	0.072	---	---	19
20	---	---	---	---	---	0.997	0.230	0.077	0.025	0.088	---	---	20
21	---	---	---	---	---	0.937	0.217	0.073	0.024	0.064	---	---	21
22	---	---	---	---	---	0.876	0.211	0.064	0.025	0.066	---	---	22
23	---	---	---	---	---	0.847	0.214	0.068	0.026	0.072	---	---	23
24	---	---	---	---	---	0.797	0.371	0.061	0.028	0.074	---	---	24
25	---	---	---	---	---	0.752	0.842	0.056	0.033	0.082	---	---	25
26	---	---	---	---	---	0.697	0.452	0.051	0.052	0.087	---	---	26
27	---	---	---	---	---	0.709	0.336	0.046	0.041	0.086	---	---	27
28	---	---	---	---	---	0.711	0.281	0.044	0.042	0.082	---	---	28
29	---		---	---	---	0.626	0.251	0.045	0.031	0.081	---	---	29
30	---		---	---	---	0.570	0.219	0.049	0.029	0.073	---	---	30
31	---		---		---		0.205	0.056		0.064		---	31
TOTAL	---	---	---	---	---	32.884	10.609	2.976	1.030	2.056	---	---	TOTAL
MEAN	---	---	---	---	---	1.10	0.342	0.096	0.034	0.066	---	---	MEAN
MAX	---	---	---	---	---	2.40	0.842	0.187	0.052	0.099	---	---	MAX
MIN	---	---	---	---	---	0.570	0.205	0.044	0.023	0.028	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.28 ON MAY 15

MAXIMUM INSTANTANEOUS,
11.8 AT 15:10 MST ON MAY 15

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 00 N
LONG 113 32 00 W
DRAINAGE AREA, 22.0 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	917
FEB	---	AUG	257
MAR	---	SEP	89.0
APR	---	OCT	178
MAY	---	NOV	---
JUN	2 840	DEC	---

LEE CREEK AT BEAZER - STATION NO. 05AE037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.67	6.39	2.62	1.08	0.398	0.290	---	---	1
2	---	---	---	---	3.92	6.04	2.47	1.02	0.409	0.290	---	---	2
3	---	---	---	---	3.13	5.73	2.20	0.984	0.398	0.293	---	---	3
4	---	---	---	---	2.94	5.29	2.09	0.961	0.387	0.289	---	---	4
5	---	---	---	---	3.14	4.55	1.97	0.941	0.382	0.284	---	---	5
6	---	---	---	---	3.23	4.56	1.94	0.887	0.372	0.283	---	---	6
7	---	---	---	---	3.26	4.32	1.89	0.828	0.361	0.281	---	---	7
8	---	---	---	---	4.25	4.07	1.77	0.763	0.356	0.264	---	---	8
9	---	---	---	---	5.08	3.89	1.67	0.733	0.341	0.264	---	---	9
10	---	---	---	---	6.40	3.80	1.64	0.686	0.331	0.271	---	---	10
11	---	---	---	---	5.66	3.52	1.60	0.650	0.324	0.292	---	---	11
12	---	---	---	---	4.79	3.57	1.57	0.631	0.322	0.316	---	---	12
13	---	---	---	---	4.34	6.99	1.52	0.602	0.321	0.309	---	---	13
14	---	---	---	---	4.17	12.7	1.45	0.625	0.317	0.301	---	---	14
15	---	---	---	1.73A	23.1	10.7	1.43	0.678	0.314	0.305	---	---	15
16	---	---	---	2.15	18.0	8.08	1.50	0.593	0.316	0.319	---	---	16
17	---	---	---	2.31	10.4	6.29	1.53	0.579	0.315	0.307	---	---	17
18	---	---	---	2.29	11.5	5.35	1.46	0.551	0.310	0.300	---	---	18
19	---	---	---	2.42	22.2	4.77	1.29	0.555	0.301	0.303	---	---	19
20	---	---	---	2.53	18.7	4.49	1.22	0.538	0.293	0.325	---	---	20
21	---	---	---	3.24	16.7	4.33	1.19	0.533	0.290	0.323	---	---	21
22	---	---	---	3.00	29.6	4.05	1.15	0.504	0.297	0.309	---	---	22
23	---	---	---	3.12	21.5	3.95	1.20	0.491	0.298	0.281	---	---	23
24	---	---	---	4.12	14.6	3.75	1.54	0.457	0.297	0.281	---	---	24
25	---	---	---	3.76	14.4	3.48	3.86	0.413	0.312	0.282	---	---	25
26	---	---	---	3.12	12.3	3.17	2.51	0.394	0.319	0.286	---	---	26
27	---	---	---	2.83	10.5	3.14	1.76	0.388	0.319	0.300	---	---	27
28	---	---	---	2.85	9.21	3.31	1.52	0.382	0.323	0.288	---	---	28
29	---		---	2.90	7.89	3.13	1.40	0.372	0.314	0.277	---	---	29
30	---		---	2.98	7.10	2.89	1.26	0.383	0.299	0.267	---	---	30
31	---		---		6.56		1.16	0.407		0.263		---	31
TOTAL	---	---	---	---	312.24	150.30	53.38	19.609	9.936	9.043	---	---	TOTAL
MEAN	---	---	---	---	10.1	5.01	1.72	0.633	0.331	0.292	---	---	MEAN
MAX	---	---	---	---	29.6	12.7	3.86	1.08	0.409	0.325	---	---	MAX
MIN	---	---	---	---	2.94	2.89	1.15	0.372	0.290	0.263	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.01
MAXIMUM DAILY, 29.6 ON MAY 22
MINIMUM DAILY, 0.263 ON OCT 31
MAXIMUM INSTANTANEOUS,
60.0 AT 16:49 MST ON MAY 15

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 00 N
LONG 113 29 00 W
DRAINAGE AREA, 174 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 610
FEB	---	AUG	1 690
MAR	---	SEP	858
APR	---	OCT	781
MAY	27 000	NOV	---
JUN	13 000	DEC	---

TOTAL DISCHARGE, 47 900 dam³

LEE CREEK AT CARDSTON - STATION NO. 05AE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.03 B	0.550B	1.03 B	2.74	3.80	10.3	2.80	1.16	0.334	0.381	0.319	0.060B	1
2	0.830B	0.540B	1.02 B	2.13	4.68	10.1	2.68	1.09	0.341	0.374	0.382	0.070B	2
3	0.890B	0.530B	0.945B	1.87	3.58	9.69	2.44	1.05	0.350	0.433	0.373	0.080B	3
4	1.15 B	0.520B	0.920B	1.80	3.24	9.45	2.26	1.01	0.323	0.481	0.349	0.090B	4
5	1.13 B	0.510B	0.920B	1.81	3.37	9.25	2.12	0.986	0.326	0.488	0.355	0.120B	5
6	1.04 B	0.510B	0.930B	1.84	3.35	9.83	2.04	0.926	0.338	0.489	0.352	0.130B	6
7	1.04 B	0.510B	1.15 B	1.56	3.48	10.8	1.99	0.882	0.339	0.468	0.360	0.150B	7
8	1.08 B	0.500B	1.32 B	1.47	6.65	10.6	2.03	0.865	0.274	0.463	0.366	0.180B	8
9	1.18 B	0.500B	0.909	1.51	7.19	10.3	1.93	0.816	0.237	0.411	0.338	0.220B	9
10	1.12 B	0.520B	0.935	1.35	7.49	10.0	1.84	0.756	0.210	0.419	0.337	0.230B	10
11	1.15 B	0.530B	0.995	1.39	6.77	9.68	1.94	0.707	0.219	0.527	0.354	0.230B	11
12	1.25 B	0.530B	0.889	1.43	5.71	9.36	1.84	0.674	0.272	0.593	0.260	0.220B	12
13	1.23 B	0.550B	0.932	1.35	4.99	14.8	1.77	0.653	0.235	0.507	0.218	0.210B	13
14	1.19 B	0.600B	0.967	1.34	4.64	36.2	1.82	0.738	0.217	0.396	0.315	0.190B	14
15	1.23 B	0.680B	0.931	1.46	33.1	15.0	1.63	0.799	0.232	0.377	0.326	0.180B	15
16	0.900B	1.38 B	1.00	2.04	38.6	14.2 E	2.06	0.700	0.241	0.381	0.245	0.164B	16
17	0.810B	1.59 B	0.920B	2.39	19.0	13.4 E	2.16	0.594	0.257	0.390	0.276	0.140B	17
18	0.900B	1.57 B	0.860B	2.41	19.4	12.6 E	1.84	0.588	0.251	0.402	0.411	0.120B	18
19	1.18 B	1.52 B	0.830B	2.54	23.3	11.8 E	1.62	0.601	0.237	0.391	0.280B	0.150B	19
20	1.37 B	1.47 B	0.850B	2.52	20.3	11.0 E	1.45	0.591	0.236	0.476	0.220B	0.160B	20
21	1.33 B	1.38 B	0.940B	3.27	26.6	10.2 E	1.31	0.565	0.210	0.433	0.160B	0.130B	21
22	1.23 B	1.31 B	1.08 B	3.20	62.4	9.40E	1.32	0.504	0.302	0.386	0.120B	0.120B	22
23	1.13 B	1.23 B	1.19	3.07	35.6	8.60E	1.43	0.477	0.297	0.339	0.090B	0.100B	23
24	1.02 B	1.11 B	1.25	4.09	21.5	7.80E	1.87	0.418	0.328	0.328	0.080B	0.080B	24
25	0.920B	1.03 B	1.49	4.23	18.0	7.00E	4.27	0.388	0.331	0.333	0.070B	0.070B	25
26	0.810B	0.920B	2.65	3.34	17.4	6.20E	3.35	0.361	0.391	0.323	0.060B	0.060B	26
27	0.720B	0.870B	2.26	2.93	13.6	5.40E	2.18	0.313	0.379	0.374	0.060B	0.050B	27
28	0.666B	0.910B	2.36	2.87	12.3	4.60E	1.71	0.276	0.376	0.372	0.060B	0.040B	28
29	0.630B		3.10	3.03	11.6	3.80E	1.48	0.287	0.362	0.349	0.060B	0.040B	29
30	0.600B		3.63	3.19	11.0	3.00A	1.33	0.298	0.346	0.324	0.060B	0.030B	30
31	0.580B		3.11		10.5		1.25	0.353		0.323		0.030B	31
TOTAL	31.336	24.370	42.313	70.17	463.14	314.36	61.76	20.426	8.791	12.731	7.256	3.844	TOTAL
MEAN	1.01	0.870	1.36	2.34	14.9	10.5	1.99	0.659	0.293	0.411	0.242	0.124	MEAN
MAX	1.37	1.59	3.63	4.23	62.4	36.2	4.27	1.16	0.391	0.593	0.411	0.230	MAX
MIN	0.580	0.500	0.830	1.34	3.24	3.00	1.25	0.276	0.210	0.323	0.060	0.030	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.91
MAXIMUM DAILY, 62.4 ON MAY 22
MINIMUM DAILY, 0.030B ON DEC 30
MAXIMUM INSTANTANEOUS,
144 AT 18:30 MST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 00 N
LONG 113 17 45 W
DRAINAGE AREA, 308 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 710	JUL	5 340
FEB	2 110	AUG	1 760
MAR	3 660	SEP	760
APR	6 060	OCT	1 100
MAY	40 000	NOV	627
JUN	27 200	DEC	332

TOTAL DISCHARGE, 91 700 dam³

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.96	4.73	1.91	0.686	0.281	0.169	0.231	0.158	1
2	---	---	---	---	2.74	4.39	1.68	0.648	0.294	0.182	0.240	0.144	2
3	---	---	---	---	2.13	4.11	1.56	0.665	0.271	0.185	0.238	0.127	3
4	---	---	---	---	1.96	3.96	1.52	0.694	0.261	0.180	0.226	0.111	4
5	---	---	---	---	2.04	3.70	1.48	0.640	0.269	0.172	0.215	0.096	5
6	---	---	---	---	2.12	3.64	1.43	0.634	0.253	0.236	0.214	0.082	6
7	---	---	---	---	2.15	3.40	1.40	0.586	0.237	0.229	0.209	0.081	7
8	---	---	---	---	2.38	3.16	1.33	0.563	0.243	0.216	0.207	0.082B	8
9	---	---	---	---	2.88	3.04	1.20	0.565	0.226	0.219	0.203	0.082B	9
10	---	---	---	---	3.40	2.91	1.18	0.479	0.230	0.226	0.195	0.082B	10
11	---	---	---	---	3.32	2.64	1.13	0.470	0.226	0.233	0.190	0.082B	11
12	---	---	---	---	3.13	2.86	1.01	0.407	0.219	0.236	0.201	0.082B	12
13	---	---	---	---	3.87	3.95	1.03	0.457	0.212	0.215	0.217	0.079B	13
14	---	---	---	---	4.86	5.66	0.979	0.600	0.206	0.240	0.226	0.079B	14
15	---	---	---	---	12.5	5.34	0.976	0.503	0.200	0.248	0.226	0.079B	15
16	---	---	---	---	8.50	4.65	1.08	0.438	0.202	0.247	0.230	0.079B	16
17	---	---	---	---	9.55	3.92	0.996	0.411	0.204	0.243	0.225	0.079B	17
18	---	---	---	---	10.9	3.36	0.978	0.373	0.193	0.238	0.243	0.077B	18
19	---	---	---	---	9.13	3.05	0.980	0.412	0.189	0.263	0.186	0.065B	19
20	---	---	---	---	7.99	2.93	0.840	0.426	0.190	0.285	0.231	0.055B	20
21	---	---	---	2.11A	7.38	2.70	0.752	0.415	0.195	0.250	0.243	0.050B	21
22	---	---	---	2.03	9.98	2.48	0.740	0.371	0.197	0.251	0.217	0.045B	22
23	---	---	---	2.46	7.47	2.43	0.743	0.381	0.186	0.259	0.196	0.038B	23
24	---	---	---	3.07	5.14	2.29	1.19	0.344	0.177	0.257	0.153	0.032B	24
25	---	---	---	2.56	4.99	2.13	2.83	0.317	0.203	0.259	0.149	0.027B	25
26	---	---	---	2.10	8.21	2.11	1.56	0.300	0.223	0.269	0.148	0.025B	26
27	---	---	---	1.93	6.90	2.23	1.18	0.284	0.210	0.263	0.145	0.023B	27
28	---	---	---	1.93	6.26	2.14	1.02	0.280	0.210	0.255	0.142	0.022B	28
29	---		---	1.98	5.68	2.03	0.905	0.271	0.190	0.245	0.148	0.023B	29
30	---		---	2.08	5.32	1.94	0.776	0.273	0.169	0.231	0.155	0.024B	30
31	---		---		5.01		0.738	0.300		0.227		0.022B	31
TOTAL	---	---	---	---	170.85	97.88	37.123	14.193	6.557	7.228	6.049	2.132	TOTAL
MEAN	---	---	---	---	5.51	3.26	1.20	0.458	0.219	0.233	0.202	0.069	MEAN
MAX	---	---	---	---	12.5	5.66	2.83	0.694	0.294	0.285	0.243	0.158	MAX
MIN	---	---	---	---	1.96	1.94	0.738	0.271	0.169	0.169	0.142	0.022	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 12.5 ON MAY 15

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 30 N
LONG 113 02 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 210
FEB	---	AUG	1 230
MAR	---	SEP	567
APR	---	OCT	624
MAY	14 800	NOV	523
JUN	8 460	DEC	184

LESSER SLAVE LAKE AT FAUST - STATION NO. 07BJ002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	576.617A	576.629	576.638	576.568	576.350E	576.170	---	---	1
2	---	---	---	---	576.621E	576.624	576.640	576.566	576.350E	576.115	---	---	2
3	---	---	---	---	576.631E	576.621	576.637	576.562	576.360E	576.119	---	---	3
4	---	---	---	---	576.639E	576.600	576.627	576.557	576.347A	576.140	---	---	4
5	---	---	---	---	576.647E	576.618	576.642	576.550	576.337	576.117	---	---	5
6	---	---	---	---	576.659E	576.625	576.615	576.538	576.325	576.125	---	---	6
7	---	---	---	---	576.639A	576.603	576.617	576.539	576.334	576.120	---	---	7
8	---	---	---	---	576.646	576.633	576.563	576.537	576.325	576.113A	---	---	8
9	---	---	---	---	576.645	576.629	576.585	576.535	576.318	576.100E	---	---	9
10	---	---	---	---	576.645	576.634	576.597	576.525	576.279	576.100E	---	---	10
11	---	---	---	---	576.646	576.630	576.594	576.529	576.272	576.100E	---	---	11
12	---	---	---	---	576.648	576.625	576.596	576.510	576.265	576.120E	---	---	12
13	---	---	---	---	576.655	576.627	576.594	576.509	576.278	576.140E	---	---	13
14	---	---	---	---	576.692	576.623	576.589	576.503	576.279	576.130E	---	---	14
15	---	---	---	---	576.664	576.628	576.591	576.488	576.289	576.120E	---	---	15
16	---	---	---	---	576.642	576.634	576.596	576.486	576.279	576.110E	---	---	16
17	---	---	---	---	576.648	576.637	576.594	576.479	576.268	576.100E	---	---	17
18	---	---	---	---	576.646	576.642	576.587	576.473	576.287	576.110E	---	---	18
19	---	---	---	---	576.643	576.653	576.580	576.479	576.235	576.120E	---	---	19
20	---	---	---	---	576.638	576.652	576.576	576.456	576.241	576.100E	---	---	20
21	---	---	---	---	576.643	576.638	576.576	576.452	576.257	576.110E	---	---	21
22	---	---	---	---	576.643	576.653	576.588	576.446	576.251	576.120E	---	---	22
23	---	---	---	---	576.643	576.650	576.594	576.444	576.254	576.130E	---	---	23
24	---	---	---	---	576.648	576.649	576.593	576.447	576.248	576.110E	---	---	24
25	---	---	---	---	576.645	576.665	576.595	576.443	576.239	576.100E	---	---	25
26	---	---	---	---	576.627	576.648	576.591	576.440	576.232	576.100E	---	---	26
27	---	---	---	---	576.623	576.644	576.583	576.423	576.240	576.120E	---	---	27
28	---	---	---	---	576.619	576.642	576.587	576.401	576.240	576.090E	---	---	28
29	---		---	---	576.631	576.651	576.593	576.390E	576.218	576.100E	---	---	29
30	---		---	---	576.635	576.633	576.584	576.370E	576.207	576.107A	---	---	30
31	---		---		576.627		576.576	576.360E		576.090E		---	31
MEAN	---	---	---	---	576.642	576.635	576.597	576.484	576.280	576.114	---	---	MEAN
MAX	---	---	---	---	576.692	576.665	576.642	576.568	576.360	576.170	---	---	MAX
MIN	---	---	---	---	576.617	576.600	576.563	576.360	576.207	576.090	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 15 N
LONG 115 37 30 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE LAKE AT SLAVE LAKE - STATION NO. 07BJ006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	576.795	576.739	576.669	576.604	576.738	576.798	576.807E	576.701	576.539A	576.269E	576.107	576.158	1
2	576.783	576.742	576.674	576.601	576.752	576.802	576.785A	576.687	576.467	576.307E	576.093	576.166	2
3	576.789	576.737	576.664	576.609A	576.751A	576.813	576.786	576.680	576.410	576.272E	576.026	576.178	3
4	576.789	576.733	576.670	576.611E	576.769E	576.871	576.795	576.678	576.425	576.244E	576.209	576.124	4
5	576.793	576.735	576.674	576.613E	576.791E	576.820	576.739	576.674	576.424	576.219E	576.127	576.083	5
6	576.780	576.738	576.660	576.615E	576.821E	576.800	576.784	576.683	576.447	576.189E	576.114	576.174	6
7	576.792	576.731	576.650	576.619E	576.849E	576.847	576.794	576.668	576.404	576.159E	576.176	576.140	7
8	576.782	576.745	576.656	576.621E	576.837E	576.798	576.907	576.655	576.419	576.279E	576.057	576.134	8
9	576.776	576.748	576.655	576.621E	576.829E	576.797	576.764	576.639	576.425	576.334E	576.120	576.133	9
10	576.787	576.733	576.653	576.613A	576.831E	576.791	576.731	576.648	576.499	576.321E	576.090	576.125	10
11	576.782	576.726	576.651	576.621	576.831E	576.787A	576.716	576.615	576.478	576.306E	576.065	576.118	11
12	576.787	576.723	576.649	576.623	576.825E	576.809A	576.710	576.663	576.448	576.294E	576.133	576.112	12
13	576.781	576.705	576.646	576.614	576.811E	576.801	576.714	576.592	576.369	576.278E	576.100	576.104	13
14	576.776	576.709	576.641	576.612	576.799E	576.802	576.729	576.568	576.345	576.274E	576.097	576.080	14
15	576.758	576.714	576.635	576.616	576.791E	576.823	576.728	576.601	576.278	576.269E	576.112	576.074	15
16	576.760	576.708	576.637	576.628	576.791E	576.797A	576.706	576.593	576.300	576.307E	576.082	576.084	16
17	576.765	576.706	576.637	576.618	576.799E	576.807E	576.688	576.588	576.331	576.259E	576.108	576.071	17
18	576.769	576.706	576.625	576.619	576.813E	576.787A	576.692	576.582	576.254	576.244E	576.121	576.062	18
19	576.760	576.699	576.626	576.607	576.827E	576.811	576.694	576.524	576.449	576.304E	576.018	576.068	19
20	576.766	576.707	576.623	576.629	576.829E	576.824	576.689	576.570	576.446	576.259E	576.092	576.100	20
21	576.758	576.700	576.624	576.640	576.827E	576.876	576.709	576.565	576.343	576.234E	576.008	576.103	21
22	576.760	576.692	576.619	576.647	576.813E	576.848	576.728	576.558	576.364	576.191E	576.124	576.092	22
23	576.761	576.690	576.605	576.649	576.807E	576.841	576.741	576.523	576.364	576.234E	576.089	576.086	23
24	576.766	576.682	576.603	576.674	576.805E	576.847	576.719	576.497	576.354	576.179E	576.105	576.076	24
25	576.764	576.679	576.588	576.695	576.809E	576.809	576.689	576.478A	576.376	576.129E	576.107	576.078	25
26	576.749	576.683	576.600	576.700	576.817E	576.863A	576.686	576.470E	576.350	576.199E	576.187	576.085	26
27	576.743	576.679	576.597	576.707	576.821E	576.849E	576.714	576.490E	576.210	575.999E	576.143	576.087	27
28	576.733	576.678	576.599	576.719	576.815E	576.831E	576.726	576.540E	576.223A	576.061A	576.153	576.089	28
29	576.747		576.601	576.733	576.811A	576.801E	576.696	576.570E	576.259E	576.090	576.174	576.078	29
30	576.745		576.595	576.730	576.784	576.819E	576.699	576.560E	576.269E	576.076	576.165	576.074	30
31	576.743		576.588		576.796		576.686	576.550E		576.099		576.066	31
MEAN	576.769	576.713	576.633	576.640	576.806	576.819	576.734	576.594	576.376	576.222	576.110	576.103	MEAN
MAX	576.795	576.748	576.674	576.733	576.849	576.876	576.907	576.701	576.539	576.334	576.209	576.178	MAX
MIN	576.733	576.678	576.588	576.601	576.738	576.787	576.686	576.470	576.210	575.999	576.008	576.062	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 576.542
MAXIMUM DAILY, 576.907 ON JUL 8
MINIMUM DAILY, 575.999E ON OCT 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 18 15 N
LONG 114 46 18 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LESSER SLAVE RIVER AT HIGHWAY NO. 2 - STATION NO. 07BK006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.0B	31.6B	32.0B	46.1E	59.8E	55.1	56.5	51.4	40.3	32.5	29.8	30.4B	1
2	24.5B	31.6B	31.5B	46.0E	59.7A	55.2	55.9	51.2	41.8	34.0	29.2	30.7B	2
3	26.0B	31.8B	33.7B	46.0E	59.8E	56.8	55.4	50.4	39.9	33.7	27.0	30.1B	3
4	27.9B	31.8B	34.6B	45.9E	59.8A	59.2	55.9	50.3	39.3	32.5	31.4	27.2B	4
5	27.5B	31.5B	35.9B	45.9E	58.7E	58.9	53.7	50.1	39.6	31.7	29.7	18.9B	5
6	27.0B	31.5B	35.7B	45.9E	57.5A	55.5	54.3	50.2	39.8	30.6	29.1	14.8B	6
7	26.5B	27.8B	35.2B	45.8E	58.7A	59.2	54.9	49.8	39.3	29.7	30.1	14.9B	7
8	26.0B	25.0B	36.3B	45.8A	58.1	56.3	60.7	49.0	38.7	32.1	28.2	14.7B	8
9	25.5B	23.9B	37.4B	45.8	57.2	55.6	56.3	48.4	38.6	34.4	28.1	15.7B	9
10	26.0B	23.2B	38.0B	45.7	57.8	55.7	53.0	48.1	41.2	34.2	28.2	16.3B	10
11	26.0B	24.6B	39.2B	45.5	57.9	55.3	51.9	47.7	40.0	33.2	27.4	16.3B	11
12	26.5B	25.8B	40.3B	45.4	57.6	55.6	51.5	47.7	39.7	32.8	27.7	16.1B	12
13	26.3B	26.5B	41.9B	45.0	57.2	55.3	51.5	47.4	37.4	33.2	28.4	15.7B	13
14	26.1B	27.0B	42.3B	44.4	55.5	55.2	51.8	45.4	36.2	32.6	27.4	15.1B	14
15	26.0B	28.3B	42.9B	45.0	54.2	55.6	52.6	46.0	34.4	32.3	27.6	14.6B	15
16	25.9B	29.5B	43.4B	46.5	54.4	55.7	51.8	46.3	34.0	33.5	27.6	14.5B	16
17	25.8B	29.9B	43.9B	46.6	54.4	59.9	50.7	45.8	35.1	33.1	27.5	14.2B	17
18	26.0B	29.8B	43.3B	47.2	55.2	61.3	50.6	45.8	33.4	31.5	28.1	13.7B	18
19	27.0B	29.6B	42.9B	47.2	56.1	60.4	50.9	43.4	35.2	33.4	26.6	13.6B	19
20	29.8B	29.9B	42.4B	48.3	56.3	60.0	50.0	44.4	39.0	32.4	26.3	13.7B	20
21	28.9B	30.6B	42.2B	50.3	56.2	61.5	51.4	44.5	36.3	31.8	26.3	14.1B	21
22	28.9B	31.6B	42.1B	51.5A	55.1	62.4	53.7	44.1	35.2	29.9	28.5B	14.3B	22
23	28.8B	32.5B	42.3B	52.8E	55.0	61.1	58.6	43.4	35.2	31.3	30.0B	14.2B	23
24	29.0B	32.5B	42.9B	54.1E	54.6	61.3	58.4	42.4	34.3	30.9	27.2B	14.2B	24
25	29.7B	32.5B	43.6B	55.4E	54.4	59.5	55.7	41.8	34.8	28.1	28.2B	14.0B	25
26	31.5B	32.8B	44.3B	56.7E	54.7	60.1	53.3	41.2	34.9	30.6	30.3B	14.1B	26
27	31.8B	32.9B	44.8B	58.0E	55.6	59.0	53.8	41.9	32.4	26.9	30.8B	13.9B	27
28	31.5B	33.1B	45.3	59.4A	55.7	57.9	53.7	43.1	31.0	24.5	29.0B	13.8B	28
29	31.3B		45.7	59.7E	55.0	56.2	52.9	42.6	32.8	28.5	29.9B	13.6B	29
30	31.8B		46.0	59.9A	53.7	56.9	52.4	41.8	32.7	28.9	31.5B	13.5B	30
31	31.7B		46.1A		54.3		51.7	40.7		28.7		13.5B	31
TOTAL	862.2	829.1	1 258.1	1 477.8	1 750.2	1 737.7	1 665.5	1 426.3	1 102.5	973.5	857.1	514.4	TOTAL
MEAN	27.8	29.6	40.6	49.3	56.5	57.9	53.7	46.0	36.8	31.4	28.6	16.6	MEAN
MAX	31.8	33.1	46.1	59.9	59.8	62.4	60.7	51.4	41.8	34.4	31.5	30.7	MAX
MIN	24.5	23.2	31.5	44.4	53.7	55.1	50.0	40.7	31.0	24.5	26.3	13.5	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.6
MAXIMUM DAILY, 62.4 ON JUN 22
MINIMUM DAILY, 13.5B ON DEC 30
MAXIMUM INSTANTANEOUS,
63.0 AT 15:30 MST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 39 N
LONG 114 35 26 W
DRAINAGE AREA, 14 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	74 500	JUL	144 000
FEB	71 600	AUG	123 000
MAR	109 000	SEP	95 300
APR	128 000	OCT	84 100
MAY	151 000	NOV	74 100
JUN	150 000	DEC	44 400

TOTAL DISCHARGE, 1 250 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENIAGHIES BRIDGE - STATION NO. 05AB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	15.3	4.63	13.5	16.4	7.79	9.97	0.001	---	1
2	---	---	---	0	14.8	5.98	14.4	16.3	7.81	9.73	0	---	2
3	---	---	---	0	14.5	6.58	15.3	16.3	7.82	9.90	0	---	3
4	---	---	---	0	14.8	8.08	15.1	15.5	7.78	10.8	0	---	4
5	---	---	---	0	14.7	9.69	15.1	13.3	7.73	10.4	0 A	---	5
6	---	---	---	0	14.9	10.8	15.4	12.6	7.69	10.1	0 E	---	6
7	---	---	---	0	13.8	10.7	15.8	12.3	7.63	9.99	0 E	---	7
8	---	---	---	0	14.1	11.0	15.7	11.3	7.57	9.92	0 E	---	8
9	---	---	---	0	14.2	11.9	15.6	11.5	7.57	9.74	0 E	---	9
10	---	---	---	0	14.1	11.8	15.7	11.5	7.56	9.64	0 E	---	10
11	---	---	---	0	12.5	11.8	15.7	11.1	7.55	9.84	0 E	---	11
12	---	---	---	0	9.54	12.7	15.5	11.4	7.54	10.1	0 E	---	12
13	---	---	---	1.12	8.83	10.2	15.7	11.2	7.47	9.81	0 E	---	13
14	---	---	---	3.33	8.77	4.88	15.6	11.1	7.55	8.89	0 E	---	14
15	---	---	---	4.65	8.01	2.67	15.7	11.2	7.57	8.40	0 E	---	15
16	---	---	---	6.26	4.93	2.63	15.9	11.4	7.17	7.90	0 E	---	16
17	---	---	---	6.53	3.16	2.61	15.9	10.5	7.13	7.81	0 E	---	17
18	---	---	---	6.74	2.80	2.51	15.9	9.28	7.14	7.77	0 E	---	18
19	---	---	---	6.87	2.51	2.52	16.1	9.52	8.64	7.76	0 E	---	19
20	---	---	---	7.13	1.91	2.54	15.6	9.63	8.69	6.48	0 E	---	20
21	---	---	---	7.76	1.92	2.48	15.5	9.72	8.81	2.12	0 E	---	21
22	---	---	---	10.4	1.75	3.48	15.6	9.69	8.80	0.112	0 E	---	22
23	---	---	0A	13.3	1.88	5.21	15.6	9.81	8.86	0.030	0 E	---	23
24	---	---	0	14.8	1.61	7.40	15.9	9.73	9.10	0.009	0 E	---	24
25	---	---	0	14.8	1.97	9.12	16.0	8.37	9.60	0.015	0 E	---	25
26	---	---	0	14.7	2.67	9.23	16.1	7.93	9.85	0.010	0 E	---	26
27	---	---	0	14.8	2.79	9.11	16.1	7.88	10.1	0.003	0 E	---	27
28	---	---	0	14.8	3.21	9.07	16.1	7.91	10.1	0.003	0 E	---	28
29	---		0	15.0	3.86	10.2	15.8	7.94	10.1	0.002	0 E	---	29
30	---		0	15.1	4.01	12.6	16.0	7.86	10.3	0.002	0 E	---	30
31	---		0		4.00		16.1	7.80		0.002		---	31
TOTAL	---	---	---	178.09	237.83	224.12	484.0	337.97	249.22	187.258	0.001	---	TOTAL
MEAN	---	---	---	5.94	7.67	7.47	15.6	10.9	8.31	6.04	0	---	MEAN
MAX	---	---	---	15.1	15.3	12.7	16.1	16.4	10.3	10.8	0.001	---	MAX
MIN	---	---	---	0	1.61	2.48	13.5	7.80	7.13	0.002	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.78
MAXIMUM DAILY, 16.4 ON AUG 1
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 39 N
LONG 113 33 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	41 800
FEB	---	AUG	29 200
MAR	---	SEP	21 500
APR	15 400	OCT	16 200
MAY	20 500	NOV	0.09
JUN	19 400	DEC	---

TOTAL DISCHARGE, 164 000 dam³

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO. 05AC026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	2.52	11.3	6.68	6.08	6.55	---	---	1
2	---	---	---	---	0	2.51	11.7	6.78	6.02	6.63	---	---	2
3	---	---	---	---	0	2.61	13.6	6.90	5.98	6.64	---	---	3
4	---	---	---	---	1.98	3.09	13.5	6.94	5.76	6.68	---	---	4
5	---	---	---	---	2.53	3.31	13.8	6.50	5.39	6.40	---	---	5
6	---	---	---	---	2.43	3.23	15.7	6.21	5.38	6.09	---	---	6
7	---	---	---	---	2.08	3.31	16.2	5.75	5.37	5.65	---	---	7
8	---	---	---	---	2.05	3.80	16.0	5.39	5.79	4.92	---	---	8
9	---	---	---	---	2.13	5.65	15.8	5.36	6.21	4.35	---	---	9
10	---	---	---	---	2.44	7.40	15.7	4.91	6.77	4.41	---	---	10
11	---	---	---	---	2.95	9.48	15.8	4.13	7.03	4.46	---	---	11
12	---	---	---	---	2.37	9.51	15.7	3.65	7.00	4.46	---	---	12
13	---	---	---	---	1.86	5.12	15.2	4.01	6.98	3.84	---	---	13
14	---	---	---	---	1.65	2.10	11.8	4.26	7.39	3.36	---	---	14
15	---	---	---	---	1.78	2.08	11.2	4.25	8.10	3.34	---	---	15
16	---	---	---	---	1.81	2.03	9.84	4.22	8.22	2.87	---	---	16
17	---	---	---	---	1.84	2.03	9.85	4.52	8.23	2.45	---	---	17
18	---	---	---	---	1.93	1.97	9.86	5.12	8.24	2.83	---	---	18
19	---	---	---	---	2.26	1.92	9.85	5.66	8.15	2.83	---	---	19
20	---	---	---	---	2.50	1.86	9 99	5.68	8.13	1.87 E	---	---	20
21	---	---	---	---	2.51	1.85	10.2	5.68	8.14	0.283E	---	---	21
22	---	---	---	---	2.47	2.44	10.2	5.68	7.68	0	---	---	22
23	---	---	---	---	2.47	3.04	9.78	5.68	7.20	0	---	---	23
24	---	---	---	---	2.47	5.36	9.03	6.01	7.22	0	---	---	24
25	---	---	---	---	2.45	4.28	9.03	6.18	7.24	0	---	---	25
26	---	---	---	---	2.39	6.36	9.00	6.16	7.25	0	---	---	26
27	---	---	---	---	2.39	6.32	8.09	6.14	7.27	0	---	---	27
28	---	---	---	---	2.38	7.55	7.56	6.11	6.88	0	---	---	28
29	---		---	---	2.39	11.4	6.95	6.10	6.64	0	---	---	29
30	---		---	---	2.43	11.3	6.56	6.14	6.61	0	---	---	30
31	---		---		2.47		6.61	6.14		0		---	31
TOTAL	---	---	---	---	63.41	135.43	355.40	172.94	208.35	90.913	---	---	TOTAL
MEAN	---	---	---	---	2.05	4.51	11.5	5.58	6.95	2.93	---	---	MEAN
MAX	---	---	---	---	2.95	11.4	16.2	6.94	8.24	6.68	---	---	MAX
MIN	---	---	---	---	0	1.85	6.56	3.65	5.37	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.58
MAXIMUM DAILY, 16.2 ON JUL 7
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 00 N
LONG 112 56 15 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30 700
FEB	---	AUG	14 900
MAR	---	SEP	18 000
APR	---	OCT	7 850
MAY	5 480	NOV	---
JUN	11 700	DEC	---

TOTAL DISCHARGE, 88 600 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	14.0	1.65	7.58	11.9	3.86	5.03	---	---	1
2	---	---	---	0	13.4	1.73	8.19	12.1	3.99	5.95 E	---	---	2
3	---	---	---	0	12.9	2.62	7.75	11.9	4.09	5.95 E	---	---	3
4	---	---	---	0	13.0	2.79	8.43	11.7	4.09	6.23 E	---	---	4
5	---	---	---	0	13.0	4.62	8.31	10.8	4.11	6.50 E	---	---	5
6	---	---	---	0	13.3	5.79	6.39	9.21	4.10	5.67	---	---	6
7	---	---	---	0	13.2	7.19	5.57	8.26	4.16	5.42	---	---	7
8	---	---	---	0	12.6	7.21	5.28	7.34	4.08	5.38	---	---	8
9	---	---	---	0	12.6	7.81	3.60	6.58	3.83	5.28	---	---	9
10	---	---	---	0	12.6	7.96	2.72	6.67	3.89	5.11	---	---	10
11	---	---	---	0	12.4	6.39	3.15	6.87	4.04	5.16	---	---	11
12	---	---	---	0	9.48	6.06	3.13	6.72	3.96	5.32	---	---	12
13	---	---	---	0	7.28	10.8	3.47	7.06	3.97	5.37	---	---	13
14	---	---	---	0	6.81	9.65	6.07	7.18	3.81	5.49	---	---	14
15	---	---	---	0.906E	7.13	5.13	7.46	7.08	3.55	5.13	---	---	15
16	---	---	---	4.26	6.91	2.60	7.99	7.16	3.58	4.75	---	---	16
17	---	---	---	5.49	4.43	2.36	7.29	7.43	3.31	4.32	---	---	17
18	---	---	---	5.77	2.34	2.16	6.73	6.77	2.92	4.31	---	---	18
19	---	---	---	5.94	1.79	1.75	7.00	6.02	2.87	4.32	---	---	19
20	---	---	---	6.11	1.53	1.52	7.27	6.12	4.03	4.35	---	---	20
21	---	---	---	6.32	1.27	1.39	7.09	6.16	4.34	3.47	---	---	21
22	---	---	---	7.14	0.920	1.11 E	7.08	6.22	4.25	1.99	---	---	22
23	---	---	---	10.1	0.739	0.708E	7.44	6.14	4.28	1.07	---	---	23
24	---	---	---	12.5	0.670	2.61 E	8.18	5.88	4.37	0.288	---	---	24
25	---	---	---	13.5	0.598	5.55	9.54	5.24	4.54	0.136	---	---	25
26	---	---	---	13.8	0.462	5.83	9.98	4.02	4.74	0	---	---	26
27	---	---	---	13.9	0.710	5.61	10.1	3.73	4.74	0	---	---	27
28	---	---	---	13.9	0.797	5.54	10.3	3.64	4.79	0	---	---	28
29	---		---	14.3	0.853	5.45	10.7	3.58	4.79	0	---	---	29
30	---		---	14.7	1.24	6.01	10.9	3.65	4.91	0	---	---	30
31	---		---		1.55		11.4	3.70		0		---	31
TOTAL	---	---	---	148.636	200.509	137.998	226.09	216.83	121.99	112.094	---	---	TOTAL
MEAN	---	---	---	4.95	6.47	4.60	7.29	6.99	4.07	3.62	---	---	MEAN
MAX	---	---	---	14.7	14.0	10.8	11.4	12.1	4.91	6.50	---	---	MAX
MIN	---	---	---	0	0.462	0.708	2.72	3.58	2.87	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.44
MAXIMUM DAILY, 14.7 ON APR 30
MINIMUM DAILY, 0 ON APR 1
MAXIMUM INSTANTANEOUS,
14.9 AT 10:56 MST ON APR 30

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 113 11 00 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	19 500
FEB	---	AUG	18 700
MAR	---	SEP	10 500
APR	12 800	OCT	9 680
MAY	17 300	NOV	---
JUN	11 900	DEC	---

TOTAL DISCHARGE, 100 000 dam³

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.540B	0.345B	0.390B	0.429	1.13	0.781	1.54	2.16	1.76	1.21E	1.34	0.212B	1
2	0.530B	0.335B	0.395B	0.425	1.15	0.805	1.55	2.13	1.64	1.22E	1.33	0.213B	2
3	0.520B	0.325B	0.400B	0.430	1.07	0.775	1.55	2.08	1.63	1.22E	1.21	0.214B	3
4	0.510B	0.315B	0.405B	0.422	1.09	0.746	1.57	2.24	1.61	1.23E	1.07	0.215B	4
5	0.500B	0.310B	0.410B	0.417	1.16	0.907	1.53	2.36	1.57	1.23E	1.05	0.216B	5
6	0.490B	0.300B	0.415B	0.408	1.16	1.21	1.55	2.19	1.57	1.24E	0.919	0.217B	6
7	0.480B	0.290B	0.420B	0.416	0.988	1.31	1.59	2.02	1.54	1.24E	0.830	0.218B	7
8	0.470B	0.280B	0.425B	0.426	0.471	1.78	1.55	2.25	1.50	1.25E	0.892	0.219B	8
9	0.460B	0.275B	0.430B	0.416	0.576	2.49	1.70	1.99	1.44	1.25E	0.886	0.221B	9
10	0.455B	0.270B	0.435B	0.414	0.637	1.52	1.81	1.86	1.44	1.26E	0.878	0.219B	10
11	0.450B	0.270B	0.440B	0.378	0.470	1.61	1.77	1.93	1.50	1.27E	0.831	0.217B	11
12	0.440B	0.270B	0.445B	0.374	0.553	1.70	1.77	1.96	1.46	1.28E	0.822	0.215B	12
13	0.435B	0.270B	0.455B	0.357	0.686	2.21	1.96	1.98	1.43	1.29E	0.809	0.213B	13
14	0.429B	0.280B	0.458B	0.368	0.697	2.21	1.92	1.99	1.38	1.30E	0.785	0.211B	14
15	0.420B	0.290B	0.460B	0.365	0.826	1.78	1.64	1.97	1.39	1.31E	0.767	0.209B	15
16	0.417B	0.300B	0.462B	0.403	0.364	1.75	1.90	1.90	1.37	1.32E	0.731	0.206B	16
17	0.413B	0.310B	0.464B	0.442	0.325	1.80	1.92	1.84	1.33	1.33E	0.604	0.204B	17
18	0.410B	0.325B	0.466B	0.440	0.332	1.78	1.84	1.70	1.31	1.34E	0.296	0.203B	18
19	0.407B	0.340B	0.468B	0.449	0.573	1.79	1.78	1.81	1.28	1.34A	0.296	0.202B	19
20	0.405B	0.350B	0.470B	0.448	0.637	1.88	1.75	1.78	1.30	1.34	0.266	0.201B	20
21	0.402B	0.354B	0.474B	0.466	0.348	1.95	1.43	1.72	1.26	1.33	0.219	0.201B	21
22	0.399B	0.358B	0.478B	0.462	0.514	2.14	1.55	1.65	1.24	1.30	0.219B	0.200B	22
23	0.396B	0.362B	0.482B	0.442	0.692	2.12	2.15	1.56	1.24	1.30	0.218B	0.199B	23
24	0.393B	0.366B	0.486B	0.449	0.587	1.98	2.47	1.57	1.22	1.32	0.217B	0.198B	24
25	0.390B	0.370B	0.491A	0.615	0.653	1.82	2.69	1.90	1.21	1.31	0.216B	0.197B	25
26	0.388B	0.375B	0.487	0.696	0.980	1.80	2.90	1.94	1.20	1.31	0.215B	0.196B	26
27	0.386B	0.380B	0.434	0.664	0.885	1.79	2.49	1.88	1.21	1.33	0.214B	0.195B	27
28	0.385B	0.385B	0.406	0.716	0.791	1.62	2.33	1.88	1.20	1.34	0.213B	0.194B	28
29	0.375B		0.382	0.869	0.742	1.44	2.33	1.79	1.20E	1.35	0.213B	0.193B	29
30	0.365B		0.398	0.994	0.736	1.52	2.28	1.77	1.21E	1.35	0.212B	0.192B	30
31	0.355B		0.402		0.721		2.18	1.77		1.34		0.190B	31
TOTAL	13.415	9.000	13.633	14.600	22.544	49.014	59.01	59.57	41.64	40.05	18.768	6.400	TOTAL
MEAN	0.433	0.321	0.440	0.487	0.727	1.63	1.90	1.92	1.39	1.29	0.626	0.206	MEAN
MAX	0.540	0.385	0.491	0.994	1.16	2.49	2.90	2.36	1.76	1.35	1.34	0.221	MAX
MIN	0.355	0.270	0.382	0.357	0.325	0.746	1.43	1.56	1.20	1.21	0.212	0.190	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.952
MAXIMUM DAILY, 2.90 ON JUL 26
MINIMUM DAILY, 0.190B ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 00 N
LONG 113 52 07 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 160	JUL	5 100
FEB	778	AUG	5 150
MAR	1 180	SEP	3 600
APR	1 260	OCT	3 460
MAY	1 950	NOV	1 620
JUN	4 230	DEC	553

TOTAL DISCHARGE, 30 000 dam³

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.735B	1.17	0.648	2.19	3.19	3.28	1.88	1.35	1.69	---	1
2	---	---	0.720B	1.10	0.673	2.08	2.96	3.05	1.85	1.35	1.70 A	---	2
3	---	---	0.703B	1.04	0.906	2.04	2.57	2.94	1.85	1.34	---	---	3
4	---	---	0.700B	0.988	1.24	2.05	2.65	2.85	1.85	1.32	---	---	4
5	0.652B	---	0.699B	0.950	1.66	2.04	2.58	2.81	1.87	1.28	---	---	5
6	---	---	0.800B	0.904	2.08	1.88	2.20	2.77	1.89	1.19	---	---	6
7	---	---	0.880B	0.866	2.64	1.80	2.02	2.74	1.90	1.15	---	---	7
8	---	---	1.05 B	0.859	3.69	1.75	2.03	2.69	1.90	1.29	---	---	8
9	---	---	1.14 B	0.813	4.47	2.10	2.06	2.67	1.90	1.40	---	---	9
10	---	---	1.16 B	0.795	5.19	2.47	2.00	2.64	1.83	1.32	---	---	10
11	---	---	1.19 B	0.775	3.19	2.41	2.10	2.67	1.81	1.36	---	---	11
12	---	---	1.27 B	0.777	2.23	3.03	2.14	2.68	1.78	1.32	---	---	12
13	---	---	1.33 B	0.758	2.11	3.72	2.05	2.67	1.74	1.29	---	---	13
14	---	---	1.39 B	0.703	1.96	3.86	2.32	2.61	1.71	1.32	---	0.2488	14
15	---	---	1.39 B	0.647	1.73	3.92	2.69	2.53	1.70	1.46	---	---	15
16	---	0.569B	1.30 B	0.716	2.66	5.89	2.69	2.50	1.70	1.48	---	---	16
17	---	---	1.27 B	0.688	9.16	6.22	2.89	2.46	1.68	1.50	---	---	17
18	---	---	1.16 B	0.627	8.16	4.57	2.76	2.45	1.67	1.38	---	---	18
19	---	---	1.07 B	0.606	5.26	3.69	2.59	2.44	1.66	1.42	0.526B	---	19
20	---	---	1.04 B	0.580	5.20	3.39	2.61	2.42	1.66	1.59	---	---	20
21	---	---	1.02 B	0.731	7.31	3.08	2.39	2.36	1.66	1.61	---	---	21
22	---	---	1.03 B	0.804	6.75	2.68	2.36	2.31	1.66	1.64	---	---	22
23	---	---	1.04 B	0.770	6.03	2.46	2.34	2.26	1.64	1.68	---	---	23
24	---	---	1.16	0.708	4.96	2.33	2.35	2.21	1.60	1.71	---	---	24
25	---	---	1.24	0.661	3.82	2.32	2.42	2.16	1.54	1.73	---	---	25
26	0.563B	0.793B	1.35	0.625	3.40	2.44	2.43	2.10	1.56	1.69	---	---	26
27	---	0.775B	1.56	0.614	3.25	2.44	2.44	1.86	1.46	1.67	---	---	27
28	---	0.760B	1.38	0.538	2.74	2.69	2.71	1.84	1.45	1.71	---	---	28
29	---		1.41	0.577	2.58	2.86	3.03	1.78	1.41	1.67	---	---	29
30	---		1.46	0.686	2.73	3.05	3.33	1.82	1.33	1.66	---	---	30
31	---		1.25		2.42		3.32	1.82		1.68		---	31
TOTAL	---	---	34.897	23.076	110.847	87.41	78.22	76.39	51.04	45.56	---	---	TOTAL
MEAN	---	---	1.13	0.769	3.58	2.91	2.52	2.46	1.70	1.47	---	---	MEAN
MAX	---	---	1.56	1.17	9.16	6.22	3.33	3.28	1.90	1.73	---	---	MAX
MIN	---	---	0.699	0.538	0.648	1.75	2.00	1.78	1.33	1.15	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.07
MAXIMUM DAILY, 9.16 ON MAY 17
MINIMUM DAILY, 0.538 ON APR 28
MAXIMUM INSTANTANEOUS,
10.7 AT 08:15 MST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 50 N
LONG 113 07 10 W
DRAINAGE AREA, 2 770 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 760
FEB	---	AUG	6 600
MAR	3 020	SEP	4 410
APR	1 990	OCT	3 940
MAY	9 580	NOV	---
JUN	7 550	DEC	---

TOTAL DISCHARGE, 43 900 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.991	1.12	1.14	1.01	1.06	0.978	0.023	---	1
2	---	---	---	---	1.01	1.10	1.11	1.02	1.09	0.968	0.012A	---	2
3	---	---	---	---	1.02	1.13	1.12	1.04	1.10	0.961	---	---	3
4	---	---	---	---	1.04	1.13	1.13	1.04	1.07	0.971	---	---	4
5	0.879A	---	---	---	1.09	1.12	1.15	1.03	1.07	0.972	---	---	5
6	---	---	---	---	1.14	1.12	1.15	0.975	1.09	0.976	---	---	6
7	---	---	---	---	1.13	1.13	1.13	1.00	1.09	1.00	---	---	7
8	---	---	---	---	1.13	1.11	1.12	1.11	1.11	0.992	---	---	8
9	---	---	---	---	1.13	1.12	1.14	1.10	1.08	0.991	---	---	9
10	---	---	0.924A	---	1.12	1.11	1.15	1.03	1.10	0.996	---	---	10
11	---	---	---	---	1.14	1.13	1.11	0.993	1.08	1.01	---	---	11
12	---	---	---	---	1.13	1.15	1.15	1.05	1.10	0.977	---	---	12
13	---	---	---	0.783A	1.14	1.24	1.10	1.04	1.08	0.948	---	---	13
14	---	---	---	0.773	1.14	1.16	1.03	1.04	1.06	0.948	---	0.463A	14
15	---	---	---	0.769	1.25	1.09	1.10	1.02	1.07	0.935	---	---	15
16	---	0.832A	---	0.763	1.31	1.11	1.04	1.02	1.06	0.918	---	---	16
17	---	---	---	0.767	1.15	1.09	1.03	1.03	1.07	0.899	---	---	17
18	---	---	---	0.778	1.14	1.07	1.03	1.06	1.01	0.905	---	---	18
19	---	---	---	0.786	1.14	1.08	1.03	0.971	1.02	0.902	0.517A	---	19
20	---	---	---	0.783	1.17	1.07	1.01	1.02	1.04	0.879	---	---	20
21	---	---	---	0.791	1.19	1.10	1.02	1.01	1.02	0.872	---	---	21
22	---	---	---	0.876	1.17	1.06	1.04	0.955	1.03	0.877	---	---	22
23	---	---	0.947A	0.901	1.18	1.06	1.08	0.953	1.03	0.865	---	---	23
24	---	---	---	0.901	1.18	1.06	1.09	0.955	1.02	0.864	---	---	24
25	---	---	---	0.933	1.16	1.08	1.08	1.00	1.00	0.818	---	---	25
26	0.881A	---	---	0.950	1.18	1.10	1.05	1.01	1.02	0.835	---	---	26
27	---	---	---	0.946	1.18	1.12	1.02	1.03	0.998	0.815	---	---	27
28	---	---	---	0.943	1.14	1.10	1.01	1.04	0.991	0.644	---	---	28
29	---		---	0.974	1.15	1.09	1.01	1.07	0.995	0.071	---	---	29
30	---		---	0.994	1.12	1.11	1.05	1.09	0.980	0.031	---	---	30
31	---		---		1.13		0.974	1.10		0.023		---	31
TOTAL	---	---	---	---	35.291	33.26	33.394	31.812	31.534	25.861	---	---	TOTAL
MEAN	---	---	---	---	1.14	1.11	1.08	1.03	1.05	0.834	---	---	MEAN
MAX	---	---	---	---	1.31	1.24	1.15	1.11	1.11	1.01	---	---	MAX
MIN	---	---	---	---	0.991	1.06	0.974	0.953	0.980	0.023	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.04
MAXIMUM DAILY, 1.31 ON MAY 16
MINIMUM DAILY, 0.023 ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 04 N
LONG 112 40 14 W
DRAINAGE AREA, 5 340 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 890
FEB	---	AUG	2 750
MAR	---	SEP	2 720
APR	---	OCT	2 230
MAY	3 050	NOV	---
JUN	2 870	DEC	---

TOTAL DISCHARGE, 16 500 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.950	1.58	1.69	2.53	2.18	1.88	0.178	---	1
2	---	---	---	---	0.859	1.53	1.74	2.98	2.28	1.83	0.134A	---	2
3	---	---	---	---	1.03	1.52	1.61	3.55	2.19	2.09	---	---	3
4	---	---	---	---	1.07	1.97	1.35	3.90	1.93	2.20	---	---	4
5	---	---	---	---	1.05	1.86	1.89	4.22	1.88	2.18	---	---	5
6	---	---	---	---	1.33	1.89	2.42	3.62	1.87	2.38	---	---	6
7	---	---	---	---	1.87	1.97	2.60	3.07	1.89	2.62	---	---	7
8	---	---	---	---	1.94	1.74	2.64	3.47	1.86	2.75	---	---	8
9	---	---	---	---	1.67	1.81	2.50	3.88	1.73	2.56	---	---	9
10	---	---	---	---	1.53	1.77	2.78	3.04	1.72	2.48	---	---	10
11	---	---	---	---	1.32	1.31	2.83	2.38	1.97	2.57	---	---	11
12	---	---	---	---	1.50	1.70	2.59	2.24	2.06	2.60	---	---	12
13	---	---	---	---	1.55	3.39	2.72	2.13	2.24	2.76	---	---	13
14	---	---	---	---	1.58	4.92	2.96	2.35	2.18	2.73	---	---	14
15	---	---	---	---	1.69	4.00	3.04	2.26	1.91	2.49	---	---	15
16	---	---	---	---	2.78	3.00	2.38	2.02	1.92	2.14	---	---	16
17	---	---	---	---	2.91	2.52	1.95	1.93	1.96	2.06	---	---	17
18	---	---	---	---	2.68	1.96	1.78	1.65	1.82	1.98	---	---	18
19	---	---	---	---	2.43	2.02	2.08	1.48	1.91	1.81	---	---	19
20	---	---	---	---	2.32	2.06	2.67	1.61	2.05	1.97	---	---	20
21	---	---	---	---	2.21	1.99	2.82	1.63	2.05	2.09	---	---	21
22	---	---	---	---	2.27	1.74	2.19	1.62	1.96	1.66	---	---	22
23	---	---	---	---	3.15	1.69	2.06	1.84	1.50	1.27	---	---	23
24	---	---	---	---	4.31	1.54	2.46	2.12	1.62	1.13	---	---	24
25	---	---	---	---	3.00	1.52	2.73	1.99	1.91	1.11	---	---	25
26	---	---	---	---	2.46	1.45	2.66	1.99	2.16	1.09	---	---	26
27	---	---	---	---	2.32	1.47	2.76	1.91	2.10	1.06	---	---	27
28	---	---	---	0.947A	2.29	1.84	2.87	1.73	2.30	1.05	---	---	28
29	---		---	0.802	2.40	2.02	2.69	1.91	2.14	1.07	---	---	29
30	---		---	0.965	1.79	1.71	2.17	1.95	1.95	0.548	---	---	30
31	---		---		1.64		2.42	2.06		0.221		---	31
TOTAL	---	---	---	---	61.899	61.49	74.05	75.06	59.24	58.379	---	---	TOTAL
MEAN	---	---	---	---	2.00	2.05	2.39	2.42	1.97	1.88	---	---	MEAN
MAX	---	---	---	---	4.31	4.92	3.04	4.22	2.30	2.76	---	---	MAX
MIN	---	---	---	---	0.859	1.31	1.35	1.48	1.50	0.221	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.12
MAXIMUM DAILY, 4.92 ON JUN 14
MINIMUM DAILY, 0.221 ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 112 30 20 W
DRAINAGE AREA, 5 880 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 400
FEB	---	AUG	6 490
MAR	---	SEP	5 120
APR	---	OCT	5 040
MAY	5 350	NOV	---
JUN	5 310	DEC	---

TOTAL DISCHARGE, 33 700 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO. 05BJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.41	10.5	9.70	4.56	2.09	1.59	1.37	---	1
2	---	---	---	---	1.60	10.7	7.85	4.24	2.06	1.68	1.36	---	2
3	---	---	---	---	1.46	10.5	8.92	4.07	2.00	1.61	1.32A	---	3
4	---	---	---	---	1.51	9.19	10.2	3.90	1.94	1.58	---	---	4
5	---	---	---	---	1.35	8.39	9.32	3.72	1.89	1.56	---	---	5
6	---	---	---	---	1.37	8.35	7.97	3.55	1.82	1.54	---	---	6
7	---	---	---	---	1.39	7.56	6.79	3.70	1.74	1.56	---	---	7
8	---	---	---	---	1.31	6.65	5.59	3.72	1.71	1.52	---	---	8
9	---	---	---	---	1.37	6.03	4.75	3.50	2.08	1.50	---	---	9
10	---	---	---	---	1.47	5.66	4.34	3.38	2.29	1.49	---	---	10
11	---	---	---	---	1.43	5.23	4.10	3.33	2.28	1.48	---	---	11
12	---	---	---	---	1.40	5.01	4.11	3.37	2.23	1.49	---	---	12
13	---	---	---	---	1.46	5.86	4.60	3.30	2.22	1.46	---	---	13
14	---	---	---	---	1.71	6.27	5.28	3.18	2.14	1.45	---	---	14
15	---	---	---	---	2.04	6.49	5.32	3.08	2.10	1.43	---	---	15
16	---	---	---	---	2.14	6.94	5.45	3.37	2.08	1.44	---	---	16
17	---	---	---	---	2.02	6.60	5.69	3.64	2.04	1.44	---	---	17
18	---	---	---	---	2.61	5.97	5.67	3.08	2.00	1.42	---	---	18
19	---	---	---	---	4.26	5.69	5.65	2.90	2.00	1.41	---	---	19
20	---	---	---	---	6.32	5.72	5.46	2.82	1.94	1.41	---	---	20
21	---	---	---	---	10.2	5.75	5.09	2.71	1.92	1.35	---	---	21
22	---	---	---	---	11.5	5.38	4.79	2.62	1.90	1.35	---	---	22
23	---	---	---	1.12A	13.6	5.13	5.63	2.56	1.87	1.39	---	---	23
24	---	---	---	1.20	18.7	5.08	6.05	2.47	1.82	1.40	---	---	24
25	---	---	---	1.16	21.0 A	5.89	6.84	2.49	1.84	1.38	---	---	25
26	---	---	---	1.13	23.0 E	7.30	5.85	2.39	1.79	1.41	---	---	26
27	---	---	---	1.12	16.4 A	7.58	5.34	2.34	1.77	1.39	---	---	27
28	---	---	---	1.09	11.5	6.53	5.05	2.30	1.78	1.38	---	---	28
29	---		---	1.10	10.4	6.84	5.78	2.25	1.74	1.38	---	---	29
30	---		---	1.10	11.0	8.49	5.89	2.27	1.68	1.35	---	---	30
31	---		---		10.9		4.97	2.11		1.37		---	31
TOTAL	---	---	---	---	198.23	207.28	187.64	96.92	58.76	45.21	---	---	TOTAL
MEAN	---	---	---	---	6.39	6.91	6.05	3.13	1.96	1.46	---	---	MEAN
MAX	---	---	---	---	23.0	10.7	10.2	4.56	2.29	1.68	---	---	MAX
MIN	---	---	---	---	1.31	5.01	4.10	2.11	1.68	1.35	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.32
MAXIMUM DAILY, 23.0E ON MAY 26
MINIMUM DAILY, 1.31 ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 42 N
LONG 114 55 00 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 200
FEB	---	AUG	8 370
MAR	---	SEP	5 080
APR	---	OCT	3 910
MAY	17 100	NOV	---
JUN	17 900	DEC	---

TOTAL DISCHARGE, 68 600 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.115B	2.54 B	1.01	2.18	0.108	1.19	0.039	0.043	---	---	1
2	---	---	0.118B	2.58 B	1.06	2.22	0.080	0.801	0.028	0.047	---	---	2
3	---	---	0.116B	2.32 B	1.04	1.42	0.054	0.496	0.027	0.040	---	---	3
4	---	---	0.113B	2.03 B	0.994	1.45	0.040	0.349	0.034	0.040	---	---	4
5	---	---	0.109B	1.90 B	0.957	1.10	0.031	0.286	0.029	0.035	---	---	5
6	---	---	0.102B	1.81 B	0.899	1.11	0.034	0.216	0.021	0.027	---	---	6
7	---	---	0.100B	1.88 B	0.983	0.661	0.050	0.187	0.027	0.024	---	---	7
8	---	---	0.103B	1.54	1.30	0.558	0.069	0.164	0.021	0.031	---	---	8
9	---	---	0.147B	1.41	1.19	0.514	0.183	0.165	0.018	0.030	---	---	9
10	---	---	0.688B	1.28	1.12	0.382	0.163	0.130	0.007	0.066	---	---	10
11	---	---	2.69 B	1.01	1.10	0.395	0.140	0.107	0.009	0.080	---	---	11
12	---	---	3.41 B	0.905	1.04	0.338	0.106	0.093	0.006	0.060	---	---	12
13	---	---	4.17 B	0.712	0.960	0.353	0.073	0.073	0.010	0.088	---	---	13
14	---	---	5.34 B	0.561	0.889	0.538	0.099	0.067	0.012	0.061	---	---	14
15	---	---	5.48 B	0.618	0.899	0.447	0.143	0.054	0.009	0.073	---	---	15
16	---	---	4.55 B	0.869	0.973	0.359	0.536	0.043	0.013	0.080	---	---	16
17	---	---	3.63 B	1.02	0.929	0.330	0.530	0.033	0.012	0.072	---	---	17
18	---	---	2.99 B	0.897	0.894	0.339	0.424	0.028	0.015	0.077	---	---	18
19	---	---	1.90 B	0.833	0.869	0.339	0.318	0.016	0.014	0.085	---	---	19
20	---	---	1.08 B	1.03	0.787	0.337	0.308	0.015	0.021	0.090	---	---	20
21	---	---	0.921B	1.09	0.770	0.320	1.20	0.010	0.021	0.094	---	---	21
22	---	---	0.295B	1.07	0.733	0.294	0.609	0.011	0.023	0.089A	---	---	22
23	---	---	0.220B	1.10	0.700	0.235	0.537	0.012	0.024	0.092E	---	---	23
24	---	---	0.257B	1.28	0.655	0.201	0.541	0.012	0.025	0.096E	---	---	24
25	---	---	0.600B	2.37	0.831	0.202	0.451	0.010	0.025	0.100E	---	---	25
26	---	---	1.71 B	1.88	0.731	0.176	0.287	0.008	0.030	0.104E	---	---	26
27	---	---	2.28 B	1.40	0.645	0.154	0.215	0.005	0.058	0.108E	---	---	27
28	---	---	2.65 B	1.21	0.616	0.142	0.214	0.004	0.054	0.111E	---	---	28
29	---		2.53 B	1.13	0.596	0.131	0.338	0.010	0.051	0.115A	---	---	29
30	---		2.18 B	1.05	0.611	0.123	2.94	0.022	0.036	0.117E	---	---	30
31	---		2.33 B		0.543		1.96	0.026		0.120E		---	31
TOTAL	---	---	52.924	41.325	27.324	17.348	12.781	4.643	0.719	2.315	---	---	TOTAL
MEAN	---	---	1.71	1.38	0.881	0.578	0.412	0.150	0.024	0.075	---	---	MEAN
MAX	---	---	5.48	2.58	1.30	2.22	2.94	1.19	0.058	0.120	---	---	MAX
MIN	---	---	0.100	0.561	0.543	0.123	0.031	0.004	0.006	0.024	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.651
MAXIMUM DAILY, 5.48B ON MAR 15
MINIMUM DAILY, 0.004 ON AUG 28
MAXIMUM INSTANTANEOUS,
7.14 AT 23:30 MST ON MAR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 51 N
LONG 115 10 29 W
DRAINAGE AREA, 326 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 100
FEB	---	AUG	401
MAR	4 570	SEP	62.1
APR	3 570	OCT	200
MAY	2 360	NOV	---
JUN	1 500	DEC	---

TOTAL DISCHARGE, 13 800 dam³

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.00 B	0.400B	0.800B	4.40B	1.73	10.1	2.70	38.3	2.81	3.35	2.56	0.650B	1
2	1.00 B	0.400B	1.01 B	4.30B	1.67	15.4	2.66	30.9	3.15	2.97	2.30	0.600B	2
3	1.00 B	0.400B	1.01 B	4.00B	1.51	16.0	5.08	23.8	3.14	2.65	2.11	0.580B	3
4	1.00 B	0.400B	0.951B	3.70B	1.33	13.8	4.79	18.8	3.01	2.61	2.01	0.570B	4
5	1.00 B	0.400B	0.893B	3.60B	1.39	11.7	3.77	23.9	3.11	2.46	1.99	0.550B	5
6	1.08 B	0.370B	0.986B	3.60B	2.26	9.87	3.25	22.6	3.43	2.25	2.02	0.530B	6
7	1.08 B	0.370B	1.11 B	3.62	4.86	8.23	3.25	17.7	3.73	2.22	1.82	0.510B	7
8	1.08 B	0.370B	1.13 B	3.10	9.35	7.31	2.87	14.0	3.41	2.59	1.80 B	0.490B	8
9	1.08 B	0.370B	1.28 B	2.89	13.5	6.57	3.16	11.8	2.93	2.41	1.80 B	0.470B	9
10	1.08 B	0.370B	1.45 B	2.40	18.5	6.54	3.80	10.1	2.58	2.43	1.75 B	0.450B	10
11	1.08 B	0.300B	1.77 B	2.50	23.6	7.21	3.17	8.59	2.36	2.51	1.75 B	0.430B	11
12	1.08 B	0.300B	1.92 B	2.24	26.5	7.65	2.78	7.43	2.09	2.60	1.70 B	0.410B	12
13	1.08 B	0.300B	2.01 B	2.19	24.9	7.26	2.40	7.03	2.00	2.69	1.70 B	0.390B	13
14	1.08 B	0.300B	2.17 B	2.21	20.9	7.37	2.75	6.49	1.89	2.74	1.70 B	0.370B	14
15	1.08 B	0.300B	2.42 B	2.16	17.2	10.3	4.85	6.16	1.78	2.72	1.70 B	0.350B	15
16	1.03 B	0.260B	2.33 B	2.18	21.4	10.7	15.1	5.74	1.70	2.82	1.60 B	0.330B	16
17	1.03 B	0.260B	2.49 B	2.32	26.3	9.11	18.1	5.41	1.70	2.94	1.50 B	0.320B	17
18	1.03 B	0.260B	2.24 B	2.42	28.5	7.89	14.7	5.36	1.56	2.85	1.45 B	0.300B	18
19	1.03 B	0.260B	2.20 B	2.67	28.9	6.86	11.3	5.76	1.61	2.80	1.40 B	0.270B	19
20	1.03 B	0.260B	2.38 B	3.00	24.0	6.05	8.63	5.64	1.90	2.46	1.35 B	0.250B	20
21	1.00 B	0.260B	2.68 B	3.02	21.6	5.31	7.30	5.19	2.77	2.36	1.25 B	0.230B	21
22	1.00 B	0.260B	3.48 B	3.05	23.7	4.64	7.30	4.82	4.65	2.40	1.20 B	0.210B	22
23	0.920B	0.260B	2.84 B	3.05	32.1	4.19	8.29	4.65	4.22	2.30	1.15 B	0.190B	23
24	0.840B	0.260B	2.75 B	2.91	26.0	3.97	8.56	4.33	3.76	2.46	1.05 B	0.180B	24
25	0.780B	0.260B	2.85 B	3.00	23.4	3.53	22.1	3.75	3.37	2.63	1.00 B	0.160B	25
26	0.700B	0.260B	3.22 B	2.73	20.6	3.07	25.7	3.43	3.07	2.56	0.950B	0.150B	26
27	0.620B	0.260B	3.47 B	2.47	17.4	2.74	19.2	3.09	2.79	2.41	0.900B	0.130B	27
28	0.530B	0.500B	3.74 B	2.20	14.6	2.63	14.7	2.82	2.83	2.65	0.800B	0.110B	28
29	0.430B		3.88 B	2.06	12.4	2.65	12.5	2.69	2.59	2.72	0.750B	0.090B	29
30	0.400B		4.16 B	1.85	11.6	2.92	15.5	2.71	3.06	2.74	0.700B	0.070B	30
31	0.400B		4.08 B		10.3		30.0	2.65		2.70		0.050B	31
TOTAL	28.570	8.970	69.700	85.84	512.00	221.77	290.26	315.64	83.80	81.00	45.760	10.390	TOTAL
MEAN	0.922	0.320	2.25	2.86	16.5	7.39	9.36	10.2	2.77	2.61	1.53	0.335	MEAN
MAX	1.08	0.500	4.16	4.40	32.1	16.0	30.0	38.3	4.65	3.35	2.56	0.650	MAX
MIN	0.400	0.260	0.800	1.85	1.33	2.63	2.40	2.65	1.56	2.22	0.700	0.050	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.80
MAXIMUM DAILY, 38.3 ON AUG 1
MINIMUM DAILY, 0.050B ON DEC 31
MAXIMUM INSTANTANEOUS,
45.7 AT 24:00 MST ON JUL 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 114 08 20 W
DRAINAGE AREA, 2 560 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 470	JUL	25 100
FEB	775	AUG	27 300
MAR	6 020	SEP	7 170
APR	7 420	OCT	7 000
MAY	44 200	NOV	3 950
JUN	19 200	DEC	898

TOTAL DISCHARGE, 152 000 dam³

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.115B	1.35 B	0.735	11.1	3.08	17.0 E	1.75E	1.30	---	---	1
2	---	---	0.130B	1.22 B	0.757	9.20	5.22	15.0 E	1.74E	1.27	---	---	2
3	---	---	0.154B	0.886B	0.784	7.21	3.31	12.0 E	1.73E	1.29	---	---	3
4	---	---	0.168B	0.655B	0.730	6.08	2.45	15.0 E	1.72E	1.26	---	---	4
5	---	---	0.177B	0.772B	0.886	5.07	2.02	14.0 E	1.71E	1.22	---	---	5
6	---	---	0.137B	0.715B	1.26	4.51	1.85	12.0 E	1.70E	1.22	---	---	6
7	---	---	0.062B	0.791B	1.55	4.07	2.02	11.0 E	1.69E	1.24	---	---	7
8	---	---	0.090B	0.910B	2.93	3.89	3.20	10.0 E	1.69	1.26	---	---	8
9	---	---	0.068B	0.765B	6.48	4.25	2.50	9.00E	1.55	1.26	---	---	9
10	---	---	0.307B	0.692B	12.5	5.08	1.97	8.50E	1.41	1.32	---	---	10
11	---	---	0.391B	0.532B	15.6	4.99	1.78	8.00E	1.33	1.40	---	---	11
12	---	---	0.390B	1.60 B	14.0	4.51	1.57	7.50E	1.31	1.48	---	---	12
13	---	---	0.354B	1.35 B	11.2	4.77	1.42	7.00E	1.29	1.47	---	---	13
14	---	---	0.483B	1.54 B	9.65	7.83	3.75	6.50E	1.26	1.59	---	---	14
15	---	---	0.861B	1.57 B	15.5	6.34	10.9	6.00E	1.25	1.67	---	---	15
16	---	---	1.31 B	1.27 B	15.7	5.14	8.78	5.50E	1.21	1.60	---	---	16
17	---	---	1.14 B	1.84 B	17.0	4.41	6.24	5.00E	1.19	1.56	---	---	17
18	---	---	0.778B	1.51 B	19.1	4.29	4.58	4.50E	1.16	1.47	---	---	18
19	---	---	0.552B	1.43 B	14.4	3.81	3.84	4.00E	1.35	1.38	---	---	19
20	---	---	0.372B	1.37 B	14.4	3.29	4.63	4.00E	3.23	1.37	---	---	20
21	---	---	0.204B	1.34 B	15.0	2.98	4.65	3.50E	2.41	1.36B	---	---	21
22	---	---	0.150B	1.50 B	22.8	2.83	5.60	3.50E	2.08	1.34B	---	---	22
23	---	---	0.202B	1.27	17.0	2.62	7.57	3.00E	1.92	1.25	---	---	23
24	---	---	0.278B	1.27	16.2	2.56	18.8	3.00E	1.73	1.29	---	---	24
25	---	---	0.282B	1.15	14.1	2.24	17.2	2.50E	1.60	1.46	---	---	25
26	---	0.051B	0.553B	0.964	11.4	2.04	11.8	2.00E	1.53	1.55	---	---	26
27	---	0.032B	0.562B	0.871	9.12	2.04	8.73	1.80A	1.46	1.55	---	---	27
28	---	0.043B	0.829B	0.801	7.72	2.17	7.37	1.79E	1.43	1.54	---	---	28
29	---		1.05 B	0.733	6.53	2.01	10.2	1.78E	1.39	1.53A	---	---	29
30	---		1.25 B	0.704	5.66	1.79	25.1	1.77E	1.32	1.52E	---	---	30
31	---		1.50 B		5.52		20.0 E	1.76E		1.52E		---	31
TOTAL	---	---	14.899	33.371	306.212	133.12	212.13	207.90	48.14	43.54	---	---	TOTAL
MEAN	---	---	0.481	1.11	9.88	4.44	6.84	6.71	1.60	1.40	---	---	MEAN
MAX	---	---	1.50	1.84	22.8	11.1	25.1	17.0	3.23	1.67	---	---	MAX
MIN	---	---	0.062	0.532	0.730	1.79	1.42	1.76	1.16	1.22	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.08
MAXIMUM DAILY, 25.1 ON JUL 30
MINIMUM DAILY, 0.062B ON MAR 7
MAXIMUM INSTANTANEOUS,
40.2 AT 21:30 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 41 N
LONG 114 40 19 W
DRAINAGE AREA, 451 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18 300
FEB	---	AUG	18 000
MAR	1 290	SEP	4 160
APR	2 880	OCT	3 760
MAY	26 500	NOV	---
JUN	11 500	DEC	---

TOTAL DISCHARGE, 86 400 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	3.70B	9.98B	31.0	101	13.0	50.2	4.61	4.12	---	---	1
2	---	---	3.65B	11.5 B	32.4	129	13.1	44.4	4.83	3.99	---	---	2
3	---	---	3.60B	12.8 B	30.4	134	12.0	40.7	4.87	3.81	---	---	3
4	---	---	3.60B	13.9 B	32.4	110	11.4	32.3	4.95	3.42	---	---	4
5	---	---	3.60B	13.8 B	32.2	84.8	11.1	25.9	5.20	3.38	---	---	5
6	---	---	3.65B	13.1 B	32.6	60.6	10.0	20.1	5.38	3.30	---	---	6
7	---	---	3.70B	13.6 B	33.7	52.7	8.29	15.2	5.49	3.22	---	---	7
8	---	---	3.70B	13.1 B	40.4	53.4	7.88	13.1	5.25	3.42	---	---	8
9	---	---	3.60B	12.7 B	54.4	43.8	7.55	12.1	5.09	3.72	---	---	9
10	---	---	3.60B	10.8 B	64.6	38.2	7.29	11.1	4.66	4.30	---	---	10
11	---	---	3.90B	9.08B	61.0	35.9	6.44	9.58	4.21	4.54	---	---	11
12	---	---	4.10B	9.08B	51.1	49.1	6.22	8.22	4.03	4.26	---	---	12
13	---	---	4.60B	10.0 B	45.7	60.4	6.11	7.13	3.78	3.99	---	---	13
14	---	---	5.40B	10.6 B	40.7	52.3	5.89	7.04	3.74	3.81	---	---	14
15	---	---	6.10B	12.0 B	38.2	46.5	6.11	6.88	3.58	4.21	---	---	15
16	---	---	7.10B	13.0 B	33.6	42.0	6.97	6.38	3.63	4.21	3.10B	2.52B	16
17	---	---	8.20B	15.5 B	31.8	38.1	7.88	5.78	3.63	4.21	---	---	17
18	---	---	9.50B	17.0 B	31.0	33.6	7.36	5.60	3.60	4.26	---	---	18
19	---	---	9.40B	18.5 B	27.9	32.3	6.60	5.09	3.65	4.26	---	---	19
20	---	---	8.70B	19.9	26.3	30.8	6.33	5.07	3.63	3.99	---	---	20
21	---	---	6.60B	22.3	24.1	25.8	5.52	4.95	3.67	3.72	---	---	21
22	---	---	5.00B	26.3	23.6	23.5	27.5	4.64	3.87	3.67	---	---	22
23	---	---	4.50B	30.5	32.9	19.9	34.7	4.57	4.28	3.58	---	---	23
24	---	---	4.70B	29.5	43.8	19.3	43.0	4.54	5.36	3.54	---	---	24
25	---	---	5.00B	30.5	43.0	18.7	35.2	4.47	5.38	3.50	---	---	25
26	---	4.31B	5.23B	42.8	38.1	17.8	27.4	4.30	5.28	4.73	---	---	26
27	---	4.30B	5.90B	37.5	47.0	15.2	26.8	4.26	4.47	4.68	---	---	27
28	---	4.00B	6.30B	33.4	71.1	13.7	19.5	4.10	4.33	4.92	---	---	28
29	---		6.60B	31.6	77.4	13.1	20.7	4.08	4.26	4.30	---	---	29
30	---		7.50B	30.8	61.3	12.9	37.6	4.01	4.21	4.40	---	---	30
31	---		8.29B		58.1		57.9	4.21		4.54		---	31
TOTAL	---	---	169.02	575.14	1 291.8	1 408.4	503.34	380.00	132.92	124.00	---	---	TOTAL
MEAN	---	---	5.45	19.2	41.7	46.9	16.2	12.3	4.43	4.00	---	---	MEAN
MAX	---	---	9.50	42.8	77.4	134	57.9	50.2	5.49	4.92	---	---	MAX
MIN	---	---	3.60	9.08	23.6	12.9	5.52	4.01	3.58	3.22	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.7
MAXIMUM DAILY, 134 ON JUN 3
MINIMUM DAILY, 3.22 ON OCT 7
MAXIMUM INSTANTANEOUS,
138 AT 07:00 MST ON JUN 3

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 44 24 N
LONG 117 10 46 W
DRAINAGE AREA, 3 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	43 500
FEB	---	AUG	32 800
MAR	14 600	SEP	11 500
APR	49 700	OCT	10 700
MAY	112 000	NOV	---
JUN	122 000	DEC	---

TOTAL DISCHARGE, 397 000 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.10B	7.05B	5.88B	36.0B	118	121	24.1	74.5	5.86	6.79	8.34	1.97B	1
2	8.97B	7.20B	5.78B	40.7B	111	163	22.5 A	90.0	5.73	6.65	8.33	1.81B	2
3	8.84B	7.29B	5.80B	43.8B	112	238	21.3 A	79.3	5.61	6.63	8.34	1.51B	3
4	8.92B	7.37B	5.84B	48.3B	108	213	20.3	67.6	5.55	6.59	8.49	1.62B	4
5	8.84B	7.41B	5.81B	53.1B	104	189	19.8	58.3	5.66	6.43	8.27	1.83B	5
6	9.06B	7.27B	5.73B	58.5B	96.8	163	18.8	49.6	5.96	6.30	8.66	1.75B	6
7	9.23B	7.16B	5.75B	54.6B	90.2	138	17.5	42.2	6.16	6.16	10.2	1.68B	7
8	9.32B	7.05B	5.76B	53.2B	83.9	119	16.2	36.9	6.58	6.18	10.5	1.78B	8
9	9.12B	6.92B	5.62B	51.1	84.9	107	15.1	31.4	6.78	6.41	10.4	1.86B	9
10	9.02B	6.69B	5.60B	52.2	99.5	93.6	13.9	26.5	6.78	6.46	9.43	1.60B	10
11	9.04B	6.41B	6.06B	54.6	117	81.7	13.2	22.7	6.46	6.47	8.86	1.51B	11
12	8.76B	6.10B	6.41B	50.6	123	72.8	12.8	19.3	6.25	6.48	9.75	1.73B	12
13	8.52B	6.06B	6.83B	43.0	115	72.4	12.0	16.9	5.99	6.49	7.75B	1.70B	13
14	8.27B	5.75B	7.14B	39.3	105	88.8	11.4	15.0	5.79	6.50	6.12B	1.61B	14
15	8.03B	5.79B	7.92B	38.2	94.1	99.5	11.1	13.4	5.49	6.52	4.34B	1.57B	15
16	7.78B	5.71B	8.52B	38.7	85.0	93.2	10.2	12.2	5.20	6.68	4.77B	1.59B	16
17	7.54B	6.25B	9.13B	44.0	78.4	82.1	9.59	11.6	5.04	6.70	4.15B	1.65B	17
18	7.29B	6.06B	11.2 B	48.5	73.6	72.4	9.52	10.7	4.80	6.48	5.11B	1.65B	18
19	7.05B	5.90B	12.9 B	56.7	70.1	66.2	9.95	9.94	4.62	6.64	3.11B	1.58B	19
20	7.06B	5.88B	11.4 B	88.6	66.8	61.5	13.3	9.35	4.57	6.62	3.45B	1.58B	20
21	6.91B	5.90B	11.5 B	85.6	62.3	57.0	16.4	8.66	4.62	6.55	2.33B	1.48B	21
22	6.80B	6.03B	10.9 B	106	59.3	52.9	17.6	8.14	4.66	6.65	2.58B	1.53B	22
23	6.75B	6.31B	11.5 B	125	57.6	50.0	17.9	7.65	4.72	6.88	1.87B	1.59B	23
24	6.58B	6.45B	11.3 B	131	60.6	47.1	17.7	7.27	4.74	6.77	1.97B	1.53B	24
25	6.51B	6.38B	10.9 B	144	73.9	43.2	94.4	6.97	4.93	6.72	2.09B	1.48B	25
26	6.50B	6.34B	11.1 B	173	90.8	39.4	92.5	6.91	5.20	6.73	2.53B	1.46B	26
27	6.44B	6.32B	12.8 B	169	87.3	36.6	75.1	6.53	6.41	6.63	2.75B	1.41B	27
28	6.54B	6.08B	19.5 B	144	83.7	33.6	60.7	6.29	6.99	6.48	2.06B	1.36B	28
29	6.53B		24.8 B	129	92.9	29.7	50.7	6.26	6.98	6.59	2.68B	1.33B	29
30	6.66B		28.1 B	125	129	26.5	44.5	6.04	6.94	7.45	2.03B	1.31B	30
31	6.95B		33.0 B		132		41.6	5.94		8.06		1.28B	31
TOTAL	242.93	181.13	330.46	2 325.3	2 865.7	2 751.2	851.66	774.05	171.07	205.69	171.26	49.34	TOTAL
MEAN	7.84	6.47	10.7	77.5	92.4	91.7	27.5	25.0	5.70	6.64	5.71	1.59	MEAN
MAX	9.32	7.41	33.0	173	132	238	94.4	90.0	6.99	8.06	10.5	1.97	MAX
MIN	6.44	5.71	5.60	36.0	57.6	26.5	9.52	5.94	4.57	6.16	1.87	1.28	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.9
MAXIMUM DAILY, 238 ON JUN 3
MINIMUM DAILY, 1.28B ON DEC 31
MAXIMUM INSTANTANEOUS,
248 AT 09:00 MST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 27 25 N
LONG 117 09 40 W
DRAINAGE AREA, 11 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 000	JUL	73 600
FEB	15 600	AUG	66 900
MAR	28 600	SEP	14 800
APR	201 000	OCT	17 800
MAY	248 000	NOV	14 800
JUN	238 000	DEC	4 260

TOTAL DISCHARGE, 944 000 dam³

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.100B	1.03	0.372	1.42	0.381	25.5	0.167	0.112	0.284	---	1
2	---	---	0.100B	0.959	0.372	1.65	0.144	18.4	0.168	0.102	0.343	---	2
3	---	---	0.100B	0.749	0.371	1.58	0.349	13.0	0.172	0.092	---	---	3
4	---	---	0.100B	0.709	0.403	1.59	0.220	9.30	0.186	0.081	---	---	4
5	---	---	0.100B	0.651	0.393	1.56	0.113	6.62	0.203	0.075	---	---	5
6	---	---	0.100B	0.642	0.496	1.32	0.198	4.66	0.210	0.070	---	---	6
7	---	---	0.100B	0.591	1.50	1.14	0.309	3.50	0.194	0.062	---	---	7
8	---	---	0.100B	0.553	2.43	1.04	0.352	2.57	0.174	0.071	---	---	8
9	---	---	0.100B	0.480	2.47	0.922	0.441	1.87	0.153	0.081	---	---	9
10	---	---	0.100B	0.464	1.85	0.806	0.451	1.38	0.126	0.091	---	---	10
11	---	---	0.100B	0.446	1.47	0.710	0.394	1.04	0.124	0.096	---	---	11
12	---	---	0.096B	0.349	1.31	0.648	0.330	0.777	0.138	0.089	---	---	12
13	---	---	0.415B	0.323	1.16	0.596	0.271	0.667	0.143	0.082	---	---	13
14	---	---	1.11 B	0.275	1.02	0.548	0.758	0.541	0.138	0.076	---	---	14
15	---	---	1.88 B	0.267	1.06	0.574	3.79	0.486	0.172	0.072	---	---	15
16	---	---	2.42 B	0.272	1.24	0.628	7.83	0.398	0.149	0.072	---	---	16
17	---	---	2.06 B	0.305	1.24	0.565	8.81	0.322	0.122	0.071	---	---	17
18	---	---	1.75 B	0.379	1.11	0.480	6.66	0.296	0.135	0.071	---	---	18
19	---	---	1.19 B	0.430	0.993	0.462	4.53	0.287	0.147	0.072	---	---	19
20	---	---	1.09 B	0.449	0.906	0.435	3.07	0.269	0.180	0.071	---	---	20
21	---	---	1.24 B	0.446	0.839	0.519	2.01	0.267	0.194	0.071	---	---	21
22	---	---	1.14 B	0.434	0.786	0.583	1.36	0.236	0.215	0.071	---	---	22
23	---	---	1.16 B	0.396	0.726	0.467	1.12	0.210	0.207	0.069	---	---	23
24	---	---	1.07	0.369	0.690	0.405	1.16	0.167	0.194	0.065	---	---	24
25	---	---	1.31	0.606	0.668	0.323	1.58	0.131	0.184	0.066	---	---	25
26	---	---	1.72	0.408	0.639	0.400	1.77	0.123	0.171	0.078	---	---	26
27	---	---	1.69	0.369	0.621	0.216	1.52	0.150	0.158	0.082	---	---	27
28	---	---	1.67	0.308	0.847	0.199	1.39	0.141	0.144	0.086	---	---	28
29	---		1.58	0.292	1.74	0.379	2.12	0.123	0.135	0.067	---	---	29
30	---		1.52	0.299	1.81	0.303	8.43	0.135	0.123	0.120	---	---	30
31	---		1.24		1.55		26.7	0.148		0.202		---	31
TOTAL	---	---	28.451	14.250	33.082	22.468	88.561	93.714	4.926	2.586	---	---	TOTAL
MEAN	---	---	0.918	0.475	1.07	0.749	2.86	3.02	0.164	0.083	---	---	MEAN
MAX	---	---	2.42	1.03	2.47	1.65	26.7	25.5	0.215	0.202	---	---	MAX
MIN	---	---	0.096	0.267	0.371	0.199	0.113	0.123	0.122	0.062	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.18
MAXIMUM DAILY, 26.7 ON JUL 31
MINIMUM DAILY, 0.062 ON OCT 7
MAXIMUM INSTANTANEOUS,
29.2 AT 21:30 MST ON JUL 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 20 N
LONG 114 08 50 W
DRAINAGE AREA, 241 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 650
FEB	---	AUG	8 100
MAR	2 860	SEP	426
APR	1 230	OCT	223
MAY	2 860	NOV	---
JUN	1 940	DEC	---

TOTAL DISCHARGE, 24 900 dam³

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.20 B	0.910B	1.57B	3.40B	3.95	20.4	6.70	12.6	1.92	1.55	1.72	2.13B	1
2	3.05 B	0.930B	1.78B	3.82B	4.33	21.9	6.40	10.8	2.20	1.81	1.72	1.97B	2
3	2.95 B	0.900B	1.69B	4.85	4.48	21.2	6.00	9.23	2.15	1.99	1.68	1.85B	3
4	2.83 B	0.890B	1.81B	4.64	4.11	18.8	5.83	7.76	1.90	1.66	1.74	1.47B	4
5	2.79 B	0.880B	1.82B	4.54	3.86	16.2	5.51	6.59	2.32	1.56	1.97	1.83B	5
6	2.31 B	0.850B	1.58B	4.55	3.89	13.8	5.45	5.79	2.12	1.47	1.70	1.75B	6
7	2.33 B	0.810B	1.60B	4.64	4.84	13.5	5.95	5.24	1.98	1.45	1.69	1.66B	7
8	2.20 B	0.800B	1.60B	4.45	5.81	12.0	6.51	4.76	1.76	1.71	1.75 B	1.82B	8
9	1.72 B	0.780B	1.61B	4.27	5.72	11.1	5.94	4.37	1.72	2.27	1.61 B	1.82B	9
10	1.52 B	0.770B	1.62B	4.24	5.70	10.7	5.41	4.08	1.75	2.07	1.58 B	1.91B	10
11	1.30 B	0.800B	1.82B	4.12	5.54	10.3	4.99	3.80	1.86	1.97	1.54 B	1.76B	11
12	1.56 B	0.840B	2.02B	3.74	5.35	10.1	4.64	3.44	1.58	1.90	1.50 B	1.83B	12
13	1.52 B	0.910B	2.18B	4.13	5.14	9.68	4.49	3.45	1.55	1.85	1.47 B	1.78B	13
14	1 29 B	1.03 B	2.31B	3.90	4.90	9.44	4.71	2.95	1.46	2.05	1.43 B	1.85B	14
15	0.989B	1.18 B	2.44B	4.02	4.61	9.28	5.69	3.06	1.41	1.89	1.40 B	1.86B	15
16	0.921B	1.30 B	2.48B	4.11	4.69	9.93	5.53	2.99	1.35	1.81	1.36 B	1.96B	16
17	1.10 B	1.44 B	2.47B	4.17	4.60	12.9	5.14	2.87	1.38	2.22	1.14 B	1.99B	17
18	1.27 B	1.56 B	2.42B	4.07	4.64	11.1	4.87	2.67	1.41	1.78	1.06 B	2.05B	18
19	1.74 B	1.53 B	2.40B	3.95	4.75	10.3	4.64	2.44	1.38	1.75	1.06 B	2.12B	19
20	1.66 B	1.59 B	2.38B	3.89	4.71	10.3	4.63	2.41	2.11	2.37B	0.960B	2.10B	20
21	1.71 B	1.78 B	2.31B	4.18	4.72	10.7	5.48	2.55	1.75	1.83	0.960B	2.00B	21
22	1.55 B	2.12 B	2.28B	4.28	4.65	10.0	8.85	2.32	1.63	1.65	0.980B	1.90B	22
23	1.46 B	2.73 B	2.23B	4.23	4.61	9.42	11.6	2.15	1.97	1.55	1.00 B	1.80B	23
24	1.33 B	2.41 B	2.33B	4.67	4.70	9.23	10.6	1.78	1.95	2.02	1.15 B	1.70B	24
25	1.27 B	1.61 B	2.44B	5.52	4.68	8.85	8.69	1.59	1.96	1.67	1.30 B	1.60B	25
26	1.48 B	1.49 B	2.56B	5.05	4.64	8.21	7.42	1.60	2.03	1.76	1.45 B	1.50B	26
27	1.34 B	1.64 B	2.68B	4.52	5.37	8.79	6.72	1.58	1.76	1.84	1.60 B	1.40B	27
28	1.03 B	1.49 B	2.80B	4.43	7.46	8.26	6.42	1.71	1.19	1.59	1.70 B	1.30B	28
29	0.919B		2.93B	4.58	8.49	7.34	7.92	1.77	1.58	1.78	1.90 B	1.20B	29
30	1.09 B		3.06B	4.38	7.99	7.06	15.6	2.16	1.65	1.75B	2 00 B	1.10B	30
31	0.950B		3.20B		10.7		14.1	2.01		1.73		1.00B	31
TOTAL	52.379	35.970	68.42	129.34	163.63	350.79	212.43	122.52	52.78	56.30	44.120	54.01	TOTAL
MEAN	1.69	1.28	2.21	4.31	5.28	11.7	6.85	3.95	1.76	1.82	1.47	1.74	MEAN
MAX	3.20	2.73	3.20	5.52	10.7	21.9	15.6	12.6	2.32	2.37	2.00	2.13	MAX
MIN	0.919	0.770	1.57	3.40	3.86	7.06	4.49	1.58	1.19	1.45	0.960	1.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.68
MAXIMUM DAILY, 21.9 ON JUN 2
MINIMUM DAILY, 0.770B ON FEB 10
MAXIMUM INSTANTANEOUS,
22.4 AT 13:55 MST ON JUN 2

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 45 N
LONG 115 06 20 W
DRAINAGE AREA, 1 570 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 530	JUL	18 400
FEB	3 110	AUG	10 600
MAR	5 910	SEP	4 560
APR	11 200	OCT	4 860
MAY	14 100	NOV	3 810
JUN	30 300	DEC	4 670

TOTAL DISCHARGE, 116 000 dam³

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.042	2.96	10.7	6.30	3.47	5.26 E	0E	---	1
2	---	---	---	---	0.961	3.48	10.7	6.31	3.51	5.43 A	0A	---	2
3	---	---	---	---	1.34	4.03	10.7	6.34	3.55	5.48	---	---	3
4	---	---	---	---	1.34	4.59	10.8	5.58	3.56	5.52	---	---	4
5	---	---	---	---	2.22	4.88	10.8	4.50	3.50E	5.40	---	---	5
6	---	---	---	---	2.77	4.90	10.9	3.58	3.45E	5.34	---	---	6
7	---	---	---	---	1.71	4.96	11.5	3.25	3.40E	5.37	---	---	7
8	---	---	---	---	0.885	5.86	12.0	3.27	3.56A	5.27	---	---	8
9	---	---	---	---	0.829	6.47	12.0	3.27	3.43	5.35	---	---	9
10	---	---	---	---	0.823	7.34	11.3	3.53	3.37	5.37	---	---	10
11	---	---	---	---	1.19	8.37	11.0	3.71	3.36	5.36	---	---	11
12	---	---	---	---	1.41	9.24	10.9	3.67	3.41	5.38	---	---	12
13	---	---	---	---	1.42	8.40	10.9	3.57	3.40	5.49	---	---	13
14	---	---	---	---	1.77	4.68	10.8	3.58	3.94	5.44	---	---	14
15	---	---	---	---	2.03	4.70	10.2	3.59	4.31	4.91	---	---	15
16	---	---	---	---	1.89	4.74	10.0	3.57	4.98	4.56	---	---	16
17	---	---	---	---	1.76	5.18	10.2	4.35	5.63	4.58	---	---	17
18	---	---	---	---	1.75	5.46	10.2	5.88	5.69	4.54	---	---	18
19	---	---	---	---	1.56	5.91	10.2	7.33	5.69	4.53	---	---	19
20	---	---	---	---	1.63	6.18	9.62	7.04	5.67	2.83	---	---	20
21	---	---	---	---	1.58	6.23	9.25	5.51	5.65A	0.081	---	---	21
22	---	---	---	0A	1.60	6.29	8.23	4.05	6.40A	0 E	---	---	22
23	---	---	---	0	1.61	6.85	7.67	3.52	6.91E	0 E	---	---	23
24	---	---	---	0	1.63	7.66	7.73	3.57	6.91A	0 E	---	---	24
25	---	---	---	0	1.51	9.05	7.72	3.51	6.91A	0 E	---	---	25
26	---	---	---	0	1.45	10.3	7.70	3.51	6.91A	0 E	---	---	26
27	---	---	---	0	1.44	10.5	7.24	3.51	6.91E	0 E	---	---	27
28	---	---	---	0	1.83	10.7	6.96	3.50	6.86A	0 E	---	---	28
29	---		---	0	2.10	10.7	6.46	3.52	6.82A	0 E	---	---	29
30	---		---	0	2.08	10.7	6.02	3.51	5.97A	0 E	---	---	30
31	---		---		2.09		6.17	3.53		0 E		---	31
TOTAL	---	---	---	---	48.250	201.31	296.57	133.46	147.13	101.491	---	---	TOTAL
MEAN	---	---	---	---	1.56	6.71	9.57	4.31	4.90	3.27	---	---	MEAN
MAX	---	---	---	---	2.77	10.7	12.0	7.33	6.91	5.52	---	---	MAX
MIN	---	---	---	---	0.042	2.96	6.02	3.25	3.36	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.04
MAXIMUM DAILY, 12.0 ON JUL 8
MINIMUM DAILY, 0E ON OCT 22

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 50 N
LONG 112 39 40 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25 600
FEB	---	AUG	11 500
MAR	---	SEP	12 700
APR	---	OCT	8 770
MAY	4 170	NOV	---
JUN	17 400	DEC	---

TOTAL DISCHARGE, 80 100 dam³

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.323	1.27	1.08	4.70	0.886	0.503	---	---	1
2	---	---	---	---	0.328	1.23	1.04	4.01	1.05	0.511	---	---	2
3	---	---	---	---	0.308	1.28	1.01	3.31	1.06	0.525	---	---	3
4	---	---	---	---	0.283	1.23	1.00	3.01	0.957	0.502	---	---	4
5	---	---	---	---	0.283	1.08	1.02	2.67	1.02	0.478	---	---	5
6	---	---	---	---	0.310	1.01	1.09	2.41	0.942	0.479	---	---	6
7	---	---	---	---	0.349	0.975	1.23	2.22	0.788	0.494	---	---	7
8	---	---	---	---	0.392	0.940	1.27	2.01	0.724	0.447	---	---	8
9	---	---	---	---	0.821	0.956	1.11	1.83	0.731	0.466	---	---	9
10	---	---	---	---	1.78	1.10	1.05	1.65	0.641	0.465	---	---	10
11	---	---	---	---	1.86	1.74	1.04E	1.52	0.626	0.465	---	---	11
12	---	---	---	---	1.52	2.42	1.10E	1.38	0.617	0.438	---	---	12
13	---	---	---	---	1.23	1.96	1.50E	1.28	0.618	0.439	---	---	13
14	---	---	---	---	1.10	2.11	2.00E	1.24	0.605	0.444	---	---	14
15	---	---	---	---	1.97	1.76	2.80E	1.14	0.599	0.426	---	---	15
16	---	---	---	---	1.96	1.54	2.50E	1.07	0.584	0.471	---	---	16
17	---	---	---	---	1.50	1.45	2.10E	1.12	0.562	0.413	---	---	17
18	---	---	---	---	1.39	1.70	1.70E	1.02	0.557	0.394	---	---	18
19	---	---	---	---	1.19	1.57	1.41E	0.983	0.593	0.400	---	---	19
20	---	---	---	---	1.14	1.47	1.51E	0.938	0.683	0.385	---	---	20
21	---	---	---	---	1.15	1.57	1.77	0.949	0.644	0.378	---	---	21
22	---	---	---	---	1.13	1.40	2.40	0.885	0.647	0.463	---	---	22
23	---	---	---	---	1.62	1.32	2.80	0.827	0.657	0.402	---	---	23
24	---	---	---	---	1.45	1.27	4.33	0.773	0.612	0.456	---	---	24
25	---	---	---	---	1.32	1.19	3.56	0.740	0.609	0.562	---	---	25
26	---	---	---	---	1.35	1.14	2.72	0.736	0.596	0.596	---	---	26
27	---	---	---	---	1.26	1.25	2.34	0.680	0.576	0.523	---	---	27
28	---	---	---	---	1.21	1.23	2.22	0.851	0.597	0.452A	---	---	28
29	---		---	0.408	1.13	1.15	4.14	0.805	0.554	0.450E	---	---	29
30	---		---	0.399	1.08	1.09	9.01	1.04	0.521	0.440E	---	---	30
31	---		---		1.12		5.87	0.994		0.430E		---	31
TOTAL	---	---	---	---	33.857	41.401	69.72	48.991	20.856	14.297	---	---	TOTAL
MEAN	---	---	---	---	1.09	1.38	2.25	1.58	0.695	0.461	---	---	MEAN
MAX	---	---	---	---	1.97	2.42	9.01	4.70	1.06	0.596	---	---	MAX
MIN	---	---	---	---	0.283	0.940	1.00	0.736	0.521	0.378	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 9.01 ON JUL 30

MAXIMUM INSTANTANEOUS,
9.83 AT 09:00 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 59 50 N
LONG 116 39 20 W
DRAINAGE AREA, 97.6 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 6 020	
FEB	---	AUG 4 230	
MAR	---	SEP 1 800	
APR	---	OCT 1 240	
MAY	2 930	NOV	---
JUN	3 580	DEC	---

LOWER KANANASKIS LAKE - STATION NO. 05BF009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1665.91	1659.79	1653.91	1654.58	1655.61	1660.76	1663.42	1665.03	1665.73	1666.34	1666.28	1666.34	1
2	1665.82	1659.48	1653.94	1654.58	1655.67	1661.01	1663.63	1665.12	1665.64	1666.34	1666.25	1666.31	2
3	1665.76	1659.30	1653.97	1654.61	1655.73	1661.25	1663.81	1665.06	1665.58	1666.31	1666.22	1666.28	3
4	1665.64	1659.03	1653.97	1654.64	1655.86	1661.46	1664.03	1665.03	1665.55	1666.31	1666.22	1666.28	4
5	1665.49	1658.69	1654.00	1654.64	1655.92	1661.71	1664.27	1665.06	1665.58	1666.28	1666.22	1666.28	5
6	1665.37	1658.39	1654.00	1654.70	1655.98	1661.89	1664.48	1665.03	1665.61	1666.31	1666.22	1666.25	6
7	1665.21	1658.05	1654.03	1654.70	1656.04	1662.10	1664.51	1665.06	1665.64	1666.34	1666.19	1666.25	7
8	1665.06	1657.69	1654.03	1654.70	1656.10	1662.23	1664.48	1665.12	1665.67	1666.34	1666.19	1666.25	8
9	1664.91	1657.35	1654.09	1654.73	1656.16	1662.32	1664.45	1665.18	1665.70	1666.40	1666.16	1666.22	9
10	1664.76	1656.98	1654.09	1654.76	1656.22	1662.10	1664.36	1665.27	1665.67	1666.37	1666.19	1666.22	10
11	1664.57	1656.59	1654.12	1654.76	1656.28	1662.38	1664.33	1665.34	1665.67	1666.34	1666.16	1666.19	11
12	1664.33	1656.19	1654.12	1654.79	1656.34	1662.29	1664.42	1665.40	1665.64	1666.31	1666.19	1666.16	12
13	1664.21	1655.77	1654.15	1654.82	1656.41	1662.32	1664.39	1665.43	1665.67	1666.28	1666.16	1666.13	13
14	1663.99	1655.28	1654.18	1654.85	1656.47	1662.32	1664.33	1665.46	1665.70	1666.31	1666.16	1666.04	14
15	1663.84	1655.12	1654.21	1654.85	1656.56	1662.29	1664.33	1665.46	1665.73	1666.31	1666.19	1666.01	15
16	1663.66	1655.03	1654.24	1654.88	1656.65	1662.32	1664.33	1665.49	1665.76	1666.34	1666.16	1666.01	16
17	1663.48	1654.64	1654.27	1654.91	1656.74	1662.29	1664.36	1665.58	1665.79	1666.34	1666.19	1666.01	17
18	1663.32	1654.48	1654.27	1654.91	1656.83	1662.23	1664.36	1665.52	1665.88	1666.37	1666.19	1666.01	18
19	1663.14	1654.45	1654.30	1654.94	1656.95	1662.20	1664.36	1665.61	1665.91	1666.40	1666.22	1666.01	19
20	1662.93	1654.33	1654.30	1655.00	1657.08	1662.14	1664.36	1665.70	1665.95	1666.40	1666.22	1666.01	20
21	1662.68	1654.18	1654.33	1655.03	1657.26	1662.14	1664.36	1665.73	1666.01	1666.43	1666.19	1665.98	21
22	1662.44	1654.06	1654.33	1655.06	1657.50	1662.17	1664.39	1665.79	1666.07	1666.40	1666.19	1665.98	22
23	1662.23	1653.91	1654.39	1655.12	1657.78	1662.17	1664.45	1665.79	1666.07	1666.37	1666.28	1666.04	23
24	1661.98	1653.88	1654.39	1655.19	1658.08	1662.26	1664.45	1665.79	1666.10	1666.34	1666.28	1666.04	24
25	1661.80	1653.88	1654.42	1655.25	1658.48	1662.41	1664.48	1665.76	1666.13	1666.34	1666.31	1666.07	25
26	1661.56	1653.84	1654.42	1655.28	1658.90	1662.56	1664.51	1665.76	1666.16	1666.34	1666.31	1666.07	26
27	1661.31	1653.88	1654.45	1655.37	1659.30	1662.74	1664.54	1665.73	1666.22	1666.31	1666.34	1666.10	27
28	1661.04	1653.88	1654.48	1655.40	1659.64	1662.90	1664.60	1665.73	1666.25	1666.31	1666.34	1666.10	28
29	1660.76		1654.48	1655.43	1659.94	1663.05	1664.73	1665.73	1666.25	1666.28	1666.34	1665.79	29
30	1660.43		1654.55	1655.49	1660.18	1663.23	1664.85	1665.76	1666.31	1666.28	1666.34	1666.10	30
31	1660.06		1654.55		1660.49		1664.94	1665.76		1666.28		1666.10	31
MEAN	1663.47	1656.01	1654.23	1654.93	1657.20	1662.17	1664.36	1665.46	1665.85	1666.34	1666.23	1666.12	MEAN
MAX	1665.91	1659.79	1654.55	1655.49	1660.49	1663.23	1664.94	1665.79	1666.31	1666.43	1666.34	1666.34	MAX
MIN	1660.06	1653.84	1653.91	1654.58	1655.61	1660.76	1663.42	1665.03	1665.55	1666.28	1666.16	1665.79	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1661.91
MAXIMUM DAILY, 1666.43 ON OCT 21
MINIMUM DAILY, 1653.84 ON FEB 26
MAXIMUM INSTANTANEOUS,
1666.43 ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 20 N
LONG 115 07 30 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07OB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.005B	1.58 B	0.051	0.146	0.022	0	0.002	---	---	1
2	---	---	0 B	0.010B	2.08 B	0.049	0.105	0.017	0	0.003	---	---	2
3	---	---	0 B	0.015B	2.07 B	0.042	0.085	0.014	0	0.003	---	---	3
4	---	---	0 B	0.020B	2.37 B	0.036	0.075	0.011	0	0.002	---	---	4
5	---	---	0 B	0.025B	2.58 B	0.052	0.065	0.010	0.001	0.002	---	---	5
6	---	---	0 B	0.020B	2.00 B	0.055	0.059	0.009	0.002	0.002	---	---	6
7	---	---	0 B	0.010B	1.93	0.078	0.053	0.006	0.002	0	---	---	7
8	---	---	0 B	0.005B	1.58	0.151	0.050	0.004	0.002	0	---	---	8
9	---	---	0 B	0.002B	1.33	0.138	0.052	0.001	0.001	0.001	---	---	9
10	---	---	0 B	0 B	1.14	0.121	0.051	0	0	0.002	---	---	10
11	---	---	0 B	0 B	0.924	0.106	0.050	0	0	0.001	---	---	11
12	---	---	0 B	0 B	0.656	0.113	0.044	0	0	0.005	---	---	12
13	---	---	0 B	0 B	0.495	0.123	0.045	0	0	0.009	---	---	13
14	---	---	0 B	0 B	0.387	0.108	0.047	0.001	0	0.013	---	---	14
15	---	---	0 B	0 B	0.316	0.114	0.041	0.002	0	0.012	---	---	15
16	---	---	0 B	0 B	0.252	0.105	0.037	0.002	0	0.015	---	---	16
17	---	---	0 B	0 B	0.222	0.100	0.037	0.002	0	0.017	---	---	17
18	---	---	0 B	0 B	0.192	0.098	0.036	0	0	0.018	---	---	18
19	---	---	0 B	0.001B	0.131	0.094	0.036	0	0	0.021B	---	---	19
20	---	---	0 B	0.005B	0.090	0.099	0.036	0	0	0.020B	---	---	20
21	---	---	0 B	0.020B	0.067	0.139	0.039	0	0	0.020B	---	---	21
22	---	---	0 B	0.050B	0.198	0.098	0.037	0	0	0.017B	---	---	22
23	---	---	0 B	0.100B	0.077	0.108	0.036	0	0	0.016B	---	---	23
24	---	---	0 B	0.080B	0.041	0.126	0.032	0	0	0.014B	---	---	24
25	---	0B	0 B	0.060B	0.017	0.110	0.030	0	0	0.013B	---	---	25
26	---	0B	0 B	0.100B	0.028	0.118	0.030	0	0	0.010B	---	---	26
27	---	0B	0 B	0.300B	0.031	0.182	0.030	0	0	0.008B	---	---	27
28	---	0B	0.001B	0.500B	0.033	0.164	0.030	0	0	0.008B	---	---	28
29	---		0.002B	0.743B	0.042	0.121	0.028	0	0	0.007B	---	---	29
30	---		0.003B	1.32 B	0.049	0.165	0.026	0	0.002	0.006B	---	---	30
31	---		0.004B		0.054		0.025	0		0.005B			31
TOTAL	---	---	0.010	3.391	22.962	3.164	1.893	0.101	0.010	0.272	---	---	TOTAL
MEAN	---	---	0	0.113	0.741	0.105	0.048	0.003	0	0.009	---	---	MEAN
MAX	---	---	0.004	1.32	2.58	0.182	0.146	0.022	0.002	0.021	---	---	MAX
MIN	---	---	0	0	0.017	0.036	0.025	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.128
MAXIMUM DAILY, 2.58B ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.68B AT 12:00 MST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 24 00 N
LONG 117 17 00 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	129
FEB	---	AUG	8.73
MAR	0.86	SEP	0.86
APR	293	OCT	23.5
MAY	1 980	NOV	---
JUN	273	DEC	---

TOTAL DISCHAPGE, 2 710 dam³

MACKAY CREEK AT WALSH - STATION NO. 05AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0	0	0	0	0	0	0	0	0	---	1
2	---	0 B	0	0	0	0	0	0	0	0	0	---	2
3	---	0 B	0	0	0	0	0	0	0	0	0A	---	3
4	---	0 B	0	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0	0	0	1.12	0	0	0	0	---	---	14
15	---	0.008B	0	0	0	3.97	0	0	0	0	---	---	15
16	---	0.025B	0	0	0	2.06	0	0	0	0	---	---	16
17	---	0.078B	0	0	0	0.807	0	0	0	0	---	---	17
18	---	0.225B	0	0	0	0.448	0	0	0	0	---	---	18
19	---	0.142B	0	0	0	0.295	0	0	0	0	---	---	19
20	---	0.124B	0	0	0	0.176	0	0	0	0	---	---	20
21	---	0.151B	0	0	0	0.094	0	0	0	0	---	---	21
22	---	0.050B	0	0	0	0.046	0	0	0	0	---	---	22
23	---	0.017B	0	0	0	0.013	0	0	0	0	---	---	23
24	---	0.010B	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0			31
TOTAL	---	0.830	0	0	0	9.029	0	0	0	0	---	---	TOTAL
MEAN	---	0.030	0	0	0	0.301	0	0	0	0	---	---	MEAN
MAX	---	0.225	0	0	0	3.97	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.037
MAXIMUM DAILY, 3.97 ON JUN 15
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.39 AT 18:15 MST ON JUN 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 30 N
LONG 110 02 40 W
DRAINAGE AREA, 435 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	71.7	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	780	DEC	---

TOTAL DISCHARGE, 780 dam³

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.010	0.121	0.005	0	0	0	0	0	0.547	---	1
2	---	0 B	0.012	0.076	0.003	0	0	0	0	0	0.107	---	2
3	---	0 B	0.013	0.046	0.003	0	0	0	0	0	0.009A	---	3
4	---	0 B	0.013	0.032	0.004	0.002	0	0	0	0	---	---	4
5	---	0 B	0.015	0.026	0.003	0	0	0	0	0	---	---	5
6	---	0 B	0.015	0.028	0.012	0	0	0	0	0	---	---	6
7	---	0 B	0.010	0.030	0.046	0	0	0	0	0	---	---	7
8	---	0 B	0.012	0.031	0.103	0	0	0	0	0	---	---	8
9	---	0 B	0.015	0.027	0.070	0.009	0	0	0	0	---	---	9
10	---	0 B	0.014	0.018	0.036	0.019	0	0	0	0	---	---	10
11	---	0 B	0.016	0.015	0.027	0.013	0	0	0	0	---	---	11
12	---	0 B	0.014	0.014	0.018	0.011	0	0	0	0	---	---	12
13	---	0 B	0.014	0.008	0.009	0.282	0	0	0	0	---	---	13
14	---	0 B	0.013	0.010	0	1.26	0.014	0	0	0	---	---	14
15	---	0.006B	0.013	0.011	0.022	0.763	0.010	0	0	0	---	---	15
16	---	0.083B	0.016	0.009	0.327	0.315	0.005	0	0	0	---	---	16
17	---	0.144B	0.020	0.009	0.302	0.155	0.001	0	0	0	---	---	17
18	---	0.185B	0.015	0.009	0.173	0.077	0	0	0	0	---	---	18
19	---	0.169B	0.014	0.008	0.085	0.043	0	0	0	0	---	---	19
20	---	0.151B	0.013	0.007	0.088	0.025	0	0	0	0	---	---	20
21	---	0.118B	0.010	0.013	0.088	0.012	0	0	0	0	---	---	21
22	---	0.098	0.015	0.017	0.039	0.006	0	0	0	0	---	---	22
23	---	0.039	0.029	0.016	0.022	0.002	0	0	0	0	---	---	23
24	---	0.019	0.037	0.011	0.011	0.002	0	0	0	0	---	---	24
25	---	0.012	0.042	0.008	0.004	0	0	0	0	0	---	---	25
26	---	0.011	0.046	0.006	0.002	0	0	0	0	0	---	---	26
27	---	0.007	0.039	0.006	0	0	0	0	0	0	---	---	27
28	---	0.005	0.034	0.006	0	0.001	0	0	0	0	---	---	28
29	---		0.039	0.005	0	0.003	0	0	0	0.212	---	---	29
30	---		0.089	0.005	0	0	0	0	0	0.735	---	---	30
31	---		0.141		0		0	0		0.676		---	31
TOTAL	---	1.047	0.798	0.628	1.502	3.000	0.030	0	0	1.623	---	---	TOTAL
MEAN	---	0.037	0.026	0.021	0.048	0.100	0.001	0	0	0.052	---	---	MEAN
MAX	---	0.185	0.141	0.121	0.327	1.26	0.014	0	0	0.735	---	---	MAX
MIN	---	0	0.010	0.005	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 1.26 ON JUN 14
MINIMUM DAILY, 0 ON MAY 14
MAXIMUM INSTANTANEOUS,
1.65 AT 15:00 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 28 N
LONG 110 02 33 W
DRAINAGE AREA, 75.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.59
FEB	90.5	AUG	0
MAR	68.9	SEP	0
APR	54.3	OCT	140
MAY	130	NOV	---
JUN	259	DEC	---

TOTAL DISCHARGE, 655 dam³

REMARKS - THE MAXIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.520B	0.580B	0.580B	1.10B	45.0E	10.1	5.85E	4.36	0.185	0.143	0.720B	0.520B	1
2	0.530B	0.570B	0.590B	1.15B	45.0E	9.64	5.65E	4.17	0.199	0.145	0.750B	0.510B	2
3	0.540B	0.550B	0.600B	1.20B	44.5E	8.96	5.45E	3.70	0.186	0.136	0.780B	0.500B	3
4	0.540B	0.530B	0.620B	1.25B	44.0E	8.71	5.30E	3.17	0.183	0.135	0.800B	0.490B	4
5	0.550B	0.510B	0.630B	1.30B	42.5E	8.45	5.25E	2.99	0.159	0.133	0.800B	0.480B	5
6	0.560B	0.490B	0.640B	1.40B	41.0E	7.90	5.20E	2.63	0.149	0.134	0.800B	0.470B	6
7	0.570B	0.470B	0.650B	1.40B	40.0E	7.30	5.20E	2.39	0.154	0.134	0.800B	0.460B	7
8	0.580B	0.440B	0.660B	1.45B	38.5E	7.33	5.15E	2.08	0.154	0.134	0.790B	0.450B	8
9	0.600B	0.410B	0.680B	1.45B	37.0E	7.60	5.20E	1.79	0.140	0.305	0.770B	0.445B	9
10	0.610B	0.400B	0.690B	1.40B	36.0E	7.73	5.30E	1.56	0.149	0.533	0.760B	0.440B	10
11	0.630B	0.390B	0.710B	1.35B	34.5E	7.66	5.40E	1.37	0.141	0.743	0.740B	0.430B	11
12	0.640B	0.380B	0.730B	1.30B	33.0E	7.59	5.50E	1.25	0.127	0.969	0.730B	0.420B	12
13	0.650B	0.380B	0.750B	1.25B	31.5E	7.50	5.65E	1.15	0.120	0.891	0.710B	0.400B	13
14	0.660B	0.380B	0.760B	1.20B	30.0E	7.23	5.77A	1.01	0.116	0.903	0.700B	0.390B	14
15	0.670B	0.390B	0.760B	1.20B	28.0E	6.80	5.36	0.867	0.118	0.904	0.680B	0.380B	15
16	0.680B	0.400B	0.760B	1.20B	26.5E	6.69	5.38	0.791	0.111	0.821	0.670B	0.380B	16
17	0.680B	0.420B	0.760B	1.20B	25.0E	6.12	5.30	0.746	0.111	0.756	0.660B	0.370B	17
18	0.690B	0.430B	0.750B	1.25B	24.0E	5.79	4.76	0.665	0.112	0.773	0.650B	0.370B	18
19	0.690B	0.440B	0.740B	1.50B	23.0E	5.57A	4.18	0.585	0.103	0.792	0.640B	0.360B	19
20	0.700B	0.450B	0.740B	2.40B	21.5E	5.50E	3.87	0.515	0.094	0.932	0.630B	0.360B	20
21	0.700B	0.470B	0.750B	3.20B	20.5E	5.45E	3.79	0.495	0.098	0.925	0.610B	0.350B	21
22	0.700B	0.480B	0.770B	4.40B	19.5E	5.40E	3.91	0.428	0.107	0.840B	0.600B	0.350B	22
23	0.700B	0.500B	0.800B	5.80B	18.5E	5.55E	4.55	0.352	0.115	0.810B	0.590B	0.350B	23
24	0.700B	0.510B	0.860B	8.00B	17.5E	5.75E	4.55	0.345	0.125	0.790B	0.580B	0.340B	24
25	0.690B	0.520B	0.940B	11.0 B	16.5E	5.95E	4.28	0.318	0.136	0.770B	0.570B	0.340B	25
26	0.680B	0.530B	0.950B	15.5 B	16.0E	6.25E	4.06	0.289	0.148	0.760B	0.560B	0.330B	26
27	0.660B	0.550B	1.00 B	20.0 B	15.5E	6.35E	5.50	0.251	0.152	0.740B	0.560B	0.330B	27
28	0.650B	0.560B	1.05 B	26.5 B	14.5A	6.20E	6.16	0.234	0.137	0.726B	0.550B	0.320B	28
29	0.630B		1.05 B	35.0 B	13.3	6.10E	5.98	0.230	0.140	0.710B	0.540B	0.320B	29
30	0.610B		1.05 B	45.0 B	11.9	5.95E	5.70	0.230	0.143	0.710B	0.530B	0.310B	30
31	0.590B		1.10 B		10.7		4.88	0.193		0.710B		0.310B	31
TOTAL	19.600	13.130	24.120	201.35	864.9	209.12	158.08	41.154	4.112	18.907	20.270	12.275	TOTAL
MEAN	0.632	0.469	0.778	6.71	27.9	6.97	5.10	1.33	0.137	0.610	0.676	0.396	MEAN
MAX	0.700	0.580	1.10	45.0	45.0	10.1	6.16	4.36	0.199	0.969	0.800	0.520	MAX
MIN	0.520	0.380	0.580	1.10	10.7	5.40	3.79	0.193	0.094	0.133	0.530	0.310	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.35
MAXIMUM DAILY, 45.0B ON APR 30
MINIMUM DAILY, 0.094 ON SEP 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 12 38 N
LONG 111 41 36 W
DRAINAGE AREA, 5 230 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 690	JUL	13 700
FEB	1 130	AUG	3 560
MAR	2 080	SEP	355
APR	17 400	OCT	1 630
MAY	74 700	NOV	1 750
JUN	18 100	DEC	1 060

TOTAL DISCHARGE, 137 000 dam³

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0	0.323	0.722	0.705	0.831	0	---	1
2	---	---	---	0	0	0	0.394	0.721	0.728	0.693	0	---	2
3	---	---	---	0	0	0	0.399	0.467	0.703	0.594	0	---	3
4	---	---	---	0	0	0	0.403	0.304	0.690	0.630	0A	---	4
5	---	---	---	0	0	0	0.402	0.606	0.688	0.578	---	---	5
6	---	---	---	0	0	0	0.402	0.671	0.688	1.05	---	---	6
7	---	---	---	0	0	0	0.413	0.667	0.688	1.02	---	---	7
8	---	---	---	0	0	0	0.420	0.693	0.689	1.02	---	---	8
9	---	---	---	0	0	0	0.630	0.706	0.690	1.16	---	---	9
10	---	---	---	0	0	0.255	0.734	0.703	0.687	1.01	---	---	10
11	---	---	---	0	0	0.402	0.793	0.636	0.633	0.697	---	---	11
12	---	---	---	0	0	0.413	1.01	0.558	0.531	0.584	---	---	12
13	---	---	---	0	0	0.442	0.897	0.587	0.487	0.495	---	---	13
14	---	---	---	0	0	0.215	0.970	0.609	0.449	0.405	---	---	14
15	---	---	---	0	0	0	1.07	0.611	0.426	0.378	---	---	15
16	---	---	---	0	0	0	1.12	0.610	0.454	0.379	---	---	16
17	---	---	---	0	0	0	1.56	0.609	0.593	0.379	---	---	17
18	---	---	---	0	0	0	1.71	0.607	0.693	0.361	---	---	18
19	---	---	---	0	0	0	1.71	0.604	0.635	0.313	---	---	19
20	---	---	---	0	0	0	1.75	0.603	0.598	0.112	---	---	20
21	---	---	---	0	0	0	1.77	0.603	0.659	0	---	---	21
22	---	---	---	0	0	0	1.76	0.602	0.697	0	---	---	22
23	---	---	---	0	0	0	1.69	0.602	0.760	0	---	---	23
24	---	---	0A	0	0	0	1.33	0.602	0.830	0	---	---	24
25	---	---	0	0	0	0	0.876	0.598	0.833	0	---	---	25
26	---	---	0	0	0	0.121	0.811	0.597	0.887	0	---	---	26
27	---	---	0	0	0	0.182	0.808	0.595	0.887	0	---	---	27
28	---	---	0	0	0	0.181	0.807	0.623	0.887	0	---	---	28
29	---		0	0	0	0.181	0.802	0.652	0.888	0	---	---	29
30	---		0	0	0	0.181	0.798	0.653	0.852	0	---	---	30
31	---		0		0		0.753	0.654		0		---	31
TOTAL	---	---	---	0	0	2.573	29.315	19.075	20.695	12.689	---	---	TOTAL
MEAN	---	---	---	0	0	0.086	0.946	0.615	0.690	0.409	---	---	MEAN
MAX	---	---	---	0	0	0.442	1.77	0.722	0.893	1.16	---	---	MAX
MIN	---	---	---	0	0	0	0.323	0.304	0.426	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.394
MAXIMUM DAILY, 1.77 ON JUL 21
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 55 N
LONG 113 03 15 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 530
FEB	---	AUG	1 650
MAR	---	SEP	1 790
APR	0	OCT	1 100
MAY	0	NOV	---
JUN	222	DEC	---

TOTAL DISCHARGE, 7 290 dam³

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.33	2.61	2.05	1.94	3.48	40.0	23.0	38.4	36.4	14.3	6.70	4.06	1
2	4.32	2.60	2.01	1.96	3.75	40.2	23.4	38.3	36.3	14.1	7.27	4.09	2
3	4.24	2.61	1.99	1.89	4.00	40.2	24.7	38.4	35.2	14.1	7.37	3.84	3
4	4.17	2.50	1.99	1.90	4.03	40.3	27.5	38.5	33.1	13.9	7.34	3.72	4
5	4.22	2.40	1.95	1.98	3.92	40.4	28.3	38.3	31.8	13.4	7.06	3.75	5
6	4.15	2.36	1.95	1.85	3.75	40.6	29.1	37.8	29.8	13.2	6.73	3.82	6
7	4.14	2.34	1.93	1.82	3.84	40.8	30.3	37.8	27.7	12.9	6.53	3.67	7
8	4.22	2.33	2.07	1.86	4.02	40.8	30.8	37.8	25.8	12.5	6.43	3.65	8
9	4.20	2.22	2.00	1.94	4.05	40.4	31.0	37.8	24.4	12.2	6.38	3.70	9
10	4.12	2.04	2.02	1.88	4.28	39.8	30.9	37.8	23.3	11.9	6.05	3.72	10
11	3.91	2.14	2.00	1.92	4.56	39.8	30.7	37.6	22.2	11.3	5.69	3.75	11
12	3.97	2.20	2.04	1.92	4.71	39.2	30.4	37.2	21.8	10.6	5.71	3.77	12
13	3.90	2.25	2.01	2.04	4.88	38.5	29.7	37.2	21.4	10.1	5.65	3.77	13
14	3.86	2.28	1.94	2.01	5.02	37.0	30.1	37.2	21.0	10.1	5.42	3.62	14
15	3.64	2.29	1.97	2.09	5.24	35.6	31.4	37.2	20.3	10.1	5.07	3.73	15
16	3.60	2.28	1.96	2.10	7.06	34.1	31.8	37.1	19.6	10.0	5.06	3.62	16
17	3.38	2.25	1.78	2.26	7.51	32.8	32.2	37.2	19.0	9.69	4.33	3.36	17
18	3.43	2.27	1.80	2.34	8.87	31.4	33.0	37.1	18.5	9.49	3.89	3.47	18
19	3.46	2.23	1.85	2.30	11.8	30.0	33.8	37.0	18.3	9.18	4.50	3.77	19
20	3.45	2.20	1.74	2.59	13.2	28.6	34.8	37.1	18.3	8.30	4.67	3.92	20
21	3.37	2.18	1.80	2.50	14.7	27.0	38.5	37.1	18.4	7.59	4.67	3.94	21
22	3.32	2.16	1.90	2.45	17.9	25.6	41.4	37.1	18.4	7.50	4.58	3.75	22
23	3.42	2.08	1.87	2.45	22.7	24.3	41.4	37.0	18.5	7.49	4.39	3.68	23
24	3.31	2.10	1.81	2.67	25.6	23.3	41.3	36.9	18.5	7.48	4.18	3.60	24
25	3.22	2.17	1.86	2.87	28.8	22.8	40.2	36.6	18.5	7.45	3.45	3.61	25
26	3.04	2.15	1.88	2.75	31.7	23.2	39.4	35.9	18.1	7.39	3.98	3.58	26
27	2.94	2.09	1.87	2.76	34.6	22.8	38.8	36.0	17.2	7.37	3.93	3.43	27
28	2.84	2.12	1.88	2.74	36.5	22.6	38.5	36.1	16.4	7.23	3.67	3.08	28
29	2.89		1.87	2.78	38.8	22.5	38.4	36.1	15.6	7.07	4.00	3.05	29
30	2.84		1.86	2.86	39.9	23.0	38.4	36.2	14.9	6.74	4.05	3.00	30
31	2.76		1.90		39.7		38.4	36.3		6.52		3.00	31
TOTAL	112.66	63.45	59.55	67.42	442.87	987.6	1 031.6	1 154.1	678.7	311.19	158.75	112.52	TOTAL
MEAN	3.63	2.27	1.92	2.25	14.3	32.9	33.3	37.2	22.6	10.0	5.29	3.63	MEAN
MAX	4.33	2.61	2.07	2.87	39.9	40.8	41.4	38.5	36.4	14.3	7.37	4.09	MAX
MIN	2.76	2.04	1.74	1.82	3.48	22.5	23.0	35.9	14.9	6.52	3.45	3.00	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.2
MAXIMUM DAILY, 41.4 ON JUL 22
MINIMUM DAILY, 1.74 ON MAR 20
MAXIMUM INSTANTANEOUS,
41.5 AT 16:30 MST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 51 N
LONG 118 01 34 W
DRAINAGE AREA, 909 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 730	JUL	89 100
FEB	5 480	AUG	99 700
MAR	5 150	SEP	58 600
APR	5 830	OCT	26 900
MAY	38 300	NOV	13 700
JUN	85 300	DEC	9 720

TOTAL DISCHARGE, 448 000 dam³

MAMAWI LAKE CHANNEL AT OLD DOG CAMP - STATION NO. 07KF003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	207.468	207.865	---	208.836	208.657	208.601	208.319	208.033	207.504	207.979	1
2	---	207.212	207.367	207.849	---	208.854	208.655	208.619	208.298	208.047	207.704	207.989	2
3	---	207.227	207.212	207.838	---	208.856	208.602	208.634	208.346	207.761	207.857	207.990	3
4	---	207.144	207.131	207.819	---	208.863	208.456	208.636	208.463	208.048	207.521	208.023	4
5	207.758	207.109	207.039	207.859	---	208.847	208.611	208.618	208.373	208.199	207.255	208.110	5
6	207.761	---	206.961	207.904	---	208.963	208.676	208.573	208.375	208.263	207.403	208.180	6
7	207.704	---	206.932	207.939	209.078	208.994	208.677	208.619	208.446	208.617	207.427	208.123	7
8	207.683	---	206.958	207.998	---	208.957	208.585	208.627	208.319	208.585	207.508	208.094	8
9	207.685	---	207.012	208.060	---	208.922	208.574	208.583	208.365	208.377	207.619	208.158	9
10	207.676	---	207.114	208.113	---	208.910	208.659	208.579	208.137	208.234	207.642	208.267	10
11	207.642	---	207.222	208.139	---	208.887	208.711	208.614	208.320	208.070	207.706	208.293	11
12	207.625	---	207.364	208.163	208.730	208.866	208.702	208.450	208.246	208.052	207.738	208.307	12
13	207.603	---	207.486	208.183	208.727	208.817	208.691	208.569	208.326	208.034	207.645	208.317	13
14	207.613	---	207.568	208.198	208.764	208.795	208.770	208.581	208.350	208.063	207.679	208.304	14
15	207.623	207.229	207.642	208.210	208.750	208.776	208.739	208.525	208.366	207.998	207.763	208.266	15
16	207.610	207.272	207.691	208.218	208.733	208.792	208.679	208.507	208.250	208.021	207.765	208.214	16
17	207.594	207.318	207.707	208.225	208.750	208.763	208.619	208.527	208.283	207.992	207.774	208.134	17
18	207.595	207.359	207.705	208.222	208.767	208.761	208.716	208.574	208.404	208.043	207.763	208.065	18
19	207.590	207.358	207.705	208.212	208.740	208.790	208.798	208.603	208.495	208.214	207.739	207.989	19
20	207.564	207.406	207.704	208.191	208.740	208.765	208.699	208.520	208.275	207.768	207.725	207.931	20
21	207.550	207.390	207.722	208.152	208.750	208.712	208.656	208.504	208.188	207.662	207.779	207.892	21
22	207.551	207.478	207.741	208.134	208.800	208.737	208.633	208.536	208.266	207.692	207.863	207.869	22
23	207.513	207.524	207.795	208.120	208.739	208.736	208.708	208.501	208.194	207.677	207.857	207.848	23
24	207.460	207.546	207.859	208.140	208.724	208.763	208.637	208.568	208.160	207.826	207.856	207.844	24
25	207.431	207.566	207.906	208.195	208.733	208.729	208.646	208.558	208.186	207.850	207.878	207.867	25
26	207.425	207.565	207.933	208.257	208.743	208.704	208.597	208.522	208.273	207.826	207.899	207.904	26
27	207.411	207.543	207.945	---	208.879	208.710	208.535	208.464	208.314	207.784	207.840	207.949	27
28	207.413	207.512	207.946	---	208.811	208.710	208.607	208.358	208 242	207.825	207.803	208.007	28
29	207.404		207.937	---	208.840	208.703	208.667	208.459	208.143	207.780	207.875	---	29
30	---		207.908	---	208.882	208.603	208.627	208.441	208.140	207.749	207.944	---	30
31	---		207.890		208.874		208.639	208.421		207.669		---	31
MEAN	---	---	207.535	---	---	208.804	208.653	208.545	208.295	207.992	207.711	---	MEAN
MAX	---	---	207.946	---	---	208.994	208.798	208.636	208.495	208.617	207.944	---	MAX
MIN	---	---	206.932	---	---	208.603	208.456	208.358	208.137	207.662	207.255	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 38 00 N
LONG 111 20 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 06AC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.167B	0.735A	0.124	0.056A	0	0.003	0	---	---	1
2	---	---	0 B	0.181B	0.684A	0.114	0.129	0	0.003	0	---	---	2
3	---	---	0 B	0.226B	0.649A	0.121	0.093	0.010A	0.002	0	---	---	3
4	---	---	0 B	0.263B	0.649A	0.127	0.079	0.018A	0.001	0	---	---	4
5	---	---	0 B	0.340B	0.649A	0.116	0.051	0.030A	0.001	0	---	---	5
6	---	---	0 B	0.500B	0.633A	0.111	0.011	0.019A	0	0	---	---	6
7	---	---	0 B	0.700B	0.602A	0.122	0.012	0.020	0	0	---	---	7
8	---	---	0 B	0.900B	0.571A	0.119	0.043	0.016	0	0	---	---	8
9	---	---	0 B	1.36 A	0.499A	0.121	0.011	0.015	0	0	---	---	9
10	---	---	0 B	1.26 A	0.499A	0.116	0.003A	0.011	0	0	---	---	10
11	---	---	0 B	1.26 A	0.486A	0.111	0.002E	0.012	0	0	---	---	11
12	---	---	0.001B	1.21 E	0.448A	0.109	0.001E	0.012	0	0	---	---	12
13	---	---	0.002B	1.17 A	0.406A	0.102	0.009A	0.012	0	0	---	---	13
14	---	---	0.008B	1.15 A	0.376A	0.085	0.003A	0.011	0	0	---	---	14
15	---	---	0.016B	1.12 A	0.308A	0.076	0.002E	0.009	0	0	---	---	15
16	---	---	0.021B	1.08 A	0.280E	0.074	0.002E	0.008	0	0	---	---	16
17	---	---	0.023B	1.06 A	0.260E	0.075	0.001E	0.006	0	0	---	---	17
18	---	---	0.017B	1.03 A	0.247A	0.042	0.001E	0.006	0	0	---	---	18
19	---	---	0.010B	0.926A	0.265A	0.027	0.001E	0.005	0	0	---	---	19
20	---	---	0.003B	0.846A	0.259	0.020	0.002E	0.005	0	0	---	---	20
21	---	---	0.001B	0.826A	0.227	0.031	0.013A	0.006	0	0	---	---	21
22	---	---	0 B	0.826A	0.197	0.039	0.011	0.006	0	0	---	---	22
23	---	---	0 B	0.788A	0.178	0.023	0.056	0.006	0	0	---	---	23
24	---	---	0 B	0.770A	0.161	0.016	0.069	0.007	0	0	---	---	24
25	---	---	0.012B	0.807A	0.146	0.004	0.055	0.007	0	0	---	---	25
26	---	---	0.024B	0.788A	0.140	0.003	0.023	0.006	0	0	---	---	26
27	---	---	0.037B	0.788A	0.144	0.004	0.002A	0.004	0	0	---	---	27
28	---	---	0.050B	0.752A	0.147	0.002E	0.001A	0.003	0	0A	---	---	28
29	---		0.065B	0.752A	0.136	0.002E	0.001E	0.002	0	0E	---	---	29
30	---		0.087B	0.717A	0.127	0.001E	0.001E	0.004	0	0E	---	---	30
31	---		0.125B		0.126		0	0.004		0E		---	31
TOTAL	---	---	0.502	24.563	11.234	2.037	0.744	0.280	0.010	0	---	---	TOTAL
MEAN	---	---	0.016	0.819	0.362	0.068	0.024	0.009	0	0	---	---	MEAN
MAX	---	---	0.125	1.36	0.735	0.127	0.129	0.030	0.003	0	---	---	MAX
MIN	---	---	0	0.167	0.126	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.36A ON APR 9
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 55 N
LONG 110 56 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	64.3
FEB	---	AUG	24.2
MAR	43.4	SEP	0.86
APR	2 120	OCT	0
MAY	971	NOV	---
JUN	176	DEC	---

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.086B	0	0	0	0	0.010	0	0	0	---	1
2	---	0 B	0.110B	0	0	0	0	0.004	0	0	0A	---	2
3	---	0 B	0.058B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0.033B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.030E	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0.034E	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0.044E	0	0.014	0	0	0	0	0	---	---	7
8	---	0 B	0.083E	0	0.352	0	0.920	0	0	0	---	---	8
9	---	0 B	0.081E	0	0.126	0	0.133	0	0	0	---	---	9
10	---	0 B	0.057A	0	0.026	0	0.019	0	0	0	---	---	10
11	---	0 B	0.038	0	0.014	0	0.007	0	0	0	---	---	11
12	---	0 B	0.023	0	0.012	0	0.013	0	0	0	---	---	12
13	---	0 B	0.021	0	0.008	0	1.46	0	0	0	---	---	13
14	---	0 B	0.013	0	0.003	0.074	2.57	0	0	0	---	---	14
15	---	0.210B	0.009	0	0.001	0.236	0.210	0	0	0	---	---	15
16	---	1.15 B	0.008	0	0.002	0.042	0.038	0	0	0	---	---	16
17	---	2.35 B	0.009	0	0.789	0.038	0.013	0	0	0	---	---	17
18	---	3.82 B	0.009	0	0.318	0.026	0.010	0	0	0	---	---	18
19	---	4.56 B	0.003	0	0.043	0.013	0.007	0	0	0	---	---	19
20	---	2.43 B	0	0	0.013	0.005	0.003	0 A	0	0	---	---	20
21	---	0.620B	0	0	0.007	0	0	0	0	0	---	---	21
22	---	0.468B	0	0	0.003	0	0	0	0	0	---	---	22
23	---	0.497B	0	0	0	0	0	0	0	0	---	---	23
24	---	0.424B	0	0	0	0	0	0	0	0	---	---	24
25	---	0.346B	0	0	0	0	0	0	0	0	---	---	25
26	---	0.278B	0	0	0	0	0	0	0	0	---	---	26
27	---	0.178B	0	0	0 A	0	0	0	0	0	---	---	27
28	---	0.122B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0.006	0	0	0	---	---	29
30	---		0	0	0	0	0.040	0	0	0		---	30
31	---		0		0		0.024	0		0			31
TOTAL	---	17.453	0.749	0	1.731	0.434	5.473	0.014	0	0	---	---	TOTAL
MEAN	---	0.623	0.024	0	0.056	0.014	0.177	0	0	0	---	---	MEAN
MAX	---	4.56	0.110	0	0.789	0.236	2.57	0.010	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 2.57 ON JUL 14
MINIMUM DAILY, 0 ON MAR 20
MAXIMUM INSTANTANEOUS,
5.10 AT 23:00 MST ON JUL 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 30 N
LONG 110 43 30 W
DRAINAGE AREA, 339 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	473
FEB	1 510	AUG	1.21
MAR	64.7	SEP	0
APR	0	OCT	0
MAY	150	NOV	---
JUN	37.5	DEC	---

TOTAL DISCHARGE, 726 dam³

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 06AC901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.544	0.439	0.101	0.027	0.029	0.002	0.001	---	---	1
2	---	---	---	0.514	0.489	0.086	0.026	0.030	0.002	0.001	---	---	2
3	---	---	---	0.497	0.488	0.069	0.025	0.031	0	0.001	---	---	3
4	---	---	---	0.453	0.507	0.059	0.023	0.030	0	0.001	---	---	4
5	---	---	---	0.455	0.503	0.042	0.020	0.027	0	0.001	---	---	5
6	---	---	---	0.525	0.477	0.035	0.019	0.025	0.001	0.001	---	---	6
7	---	---	---	0.433	0.459	0.041	0.027	0.025	0.001	0.001	---	---	7
8	0.357B	---	---	0.354	0.431	0.031	0.066	0.024	0.001	0.001	---	---	8
9	---	---	---	0.363	0.351	0.026	0.042	0.021	0.001	0.001	---	---	9
10	---	---	0.757B	0.377	0.330	0.021	0.040	0.022	0.002	0.001	---	---	10
11	---	---	0.699	0.409	0.332	0.022	0.040	0.017	0.001	0.001	---	---	11
12	---	---	0.615	0.466	0.305	0.020	0.037	0.016	0.001	0.001	---	---	12
13	---	---	0.602	0.444	0.306	0.020	0.035	0.012	0	0.001	---	---	13
14	---	---	0.554	0.476	0.263	0.020	0.041	0.009	0	0.001	---	---	14
15	---	---	0.523	0.540	0.229	0.020	0.054	0.008	0	0.001	---	---	15
16	---	---	0.513	0.619	0.225	0.019	0.054	0.007	0	0.002	---	---	16
17	---	---	0.548	0.738	0.215	0.021	0.053	0.007	0	0.002	---	---	17
18	---	---	0.564	0.762	0.221	0.019	0.053	0.007	0	0.001	---	---	18
19	---	---	0.546	0.736	0.246	0.017	0.048	0.004	0	0.002	---	---	19
20	---	---	0.501	0.793	0.308	0.016	0.043	0.002	0.001	0.001	---	---	20
21	0.297B	---	0.470	0.808	0.295	0.020	0.040	0.002	0.001	0.001	---	---	21
22	---	---	0.451	0.793	0.279	0.024	0.044	0.002	0.001	0 A	---	---	22
23	---	---	0.429	0.809	0.298	0.025	0.051	0.002	0	---	---	---	23
24	---	---	0.420	0.832	0.289	0.030	0.042	0.001	0.001	---	---	---	24
25	---	0.409B	0.417	0.748	0.261	0.032	0.038	0.001	0.002	---	---	---	25
26	---	---	0.446	0.643	0.267	0.036	0.033	0	0.003	---	---	---	26
27	---	---	0.437	0.557	0.338	0.028	0.033	0	0.001	---	---	---	27
28	---	---	0.453	0.490	0.278	0.027	0.035	0	0.001	---	---	---	28
29	---		0.482	0.494	0.222	0.024	0.032	0	0.001	---	---	---	29
30	---		0.513	0.426	0.163	0.022	0.031	0.002	0.001	---	---	---	30
31	---		0.541		0.122		0.031	0.002		---		---	31
TOTAL	---	---	---	17.098	9.936	0.973	1.183	0.365	0.025	---	---	---	TOTAL
MEAN	---	---	---	0.570	0.321	0.032	0.038	0.012	0.001	---	---	---	MEAN
MAX	---	---	---	0.832	0.507	0.101	0.066	0.031	0.003	---	---	---	MAX
MIN	---	---	---	0.354	0.122	0.016	0.019	0	0	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.832 ON APR 24
MINIMUM DAILY, 0 ON AUG 26
MAXIMUM INSTANTANEOUS,
0.921 AT 18:42 MST ON APR 24

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 25 N
LONG 110 19 41 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	102
FEB	---	AUG	31.5
MAR	---	SEP	2.16
APR	1 480	OCT	---
MAY	858	NOV	---
JUN	84.1	DEC	---

MARIE LAKE NEAR COLD LAKE - STATION NO. 06AC005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	573.714	573.671	573.662	573.665	573.591	573.511	---	---	1
2	---	---	---	---	573.714	573.665	573.663	573.663	573.572	573.506	---	---	2
3	---	---	---	---	573.712	573.663	573.663	573.662	573.575	573.504	---	---	3
4	---	---	---	---	573.709	573.664	573.663	573.662	573.571	573.504	---	---	4
5	---	---	---	---	573.707	573.663	573.656	573.664	573.571	573.503	---	---	5
6	---	---	---	---	573.704	573.663	573.652	573.661	573.567	573.493	---	---	6
7	---	---	---	---	573.703	573.668	573.651	573.660	573.567	573.485	---	---	7
8	---	---	---	---	573.702	573.665	573.677	573.656	573.565	573.486	---	---	8
9	---	---	---	---	573.705	573.666	573.673	573.654	573.564	573.492	---	---	9
10	---	---	---	---	573.703	573.669	573.668	573.652	573.561	573.489	---	---	10
11	---	---	573.724A	---	573.701	573.667	573.664	573.648	573.554	573.487	---	---	11
12	---	---	---	---	573.700	573.665	573.666	573.639	573.547	573.478	---	---	12
13	---	---	---	---	573.699	573.659	573.667	573.635	573.544	573.481	---	---	13
14	---	---	---	---	573.694	573.659	573.670	573.631	573.541	573.483	---	---	14
15	---	---	---	---	573.694	573.650	573.679	573.625	573.539	573.483	---	---	15
16	---	---	---	---	573.694	573.650	573.687	573.625	573.536	573.475	---	---	16
17	---	---	---	---	573.690	573.654	573.688	573.621	573.534	573.471	---	---	17
18	---	---	---	---	573.689	573.654	573.687	573.618	573.532	573.475	---	---	18
19	---	---	---	---	573.690	573.657	573.683	573.616	573.529	573.465	---	---	19
20	---	---	---	---	573.692	573.652	573.679	573.616	573.523	573.461	---	---	20
21	---	---	---	---	573.689	573.658	573.677	573.611	573.521	573.452	---	---	21
22	---	---	---	---	573.687	573.657	573.676	573.609	573.520	573.456	---	---	22
23	---	---	---	---	573.683	573.668	573.678	573.609	573.520	573.447	---	---	23
24	---	---	---	573.719A	573.681	573.666	573.675	573.606	573.520	573.443	---	---	24
25	---	---	---	573.720	573.680	573.669	573.673	573.603	573.529	573.453	---	---	25
26	---	---	---	573.720	573.676	573.667	573.671	573.600	573.521	573.453	---	---	26
27	---	---	---	573.719	573.676	573.664	573.668	573.596	573.526	573.458	---	---	27
28	---	---	---	573.717	573.675	573.662	573.673	573.590	573.516	573.454	---	---	28
29	---		---	573.717	573.672	573.646	573.662	573.578	573.514	573.455A	---	---	29
30	---		---	573.717	573.673	573.659	573.659	573.587	573.512	573.455E	---	---	30
31	---		---		573.673		573.663	573.593		573.455E		---	31
MEAN	---	---	---	---	573.693	573.661	573.670	573.628	573.543	573.475	---	---	MEAN
MAX	---	---	---	---	573.714	573.671	573.688	573.665	573.591	573.511	---	---	MAX
MIN	---	---	---	---	573.672	573.646	573.651	573.578	573.512	573.443	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 35 N
LONG 110 18 15 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MARMOT CREEK (MAIN STEM) - STATION NO. 05BF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.028	0.021	0.017	0.020	0.141	1.06	0.572	0.415	0.092	0.045	0.033	0.021	1
2	0.028	0.021	0.017	0.019	0.112	1.04	0.602	0.386	0.090	0.046	0.033	0.021	2
3	0.027	0.021	0.017	0.019	0.097	1.12	0.571	0.363	0.086	0.044	0.032	0.021	3
4	0.026	0.020	0.016	0.019	0.090	1.05	0.547	0.337	0.085	0.043	0.031	0.020	4
5	0.025	0.020	0.016	0.018	0.086	0.967	0.524	0.314	0.082	0.040	0.030	0.020	5
6	0.025	0.020	0.016	0.018	0.081	0.912	0.482	0.285	0.077	0.042	0.029	0.021	6
7	0.024	0.019	0.016	0.018	0.071	0.806	0.446	0.274	0.072	0.042	0.029	0.021	7
8	0.024	0.019	0.016	0.018	0.074	0.678	0.387	0.256	0.067	0.041	0.029	0.021	8
9	0.023	0.018	0.016	0.018	0.078	0.597	0.343	0.233	0.066	0.039	0.029	0.021A	9
10	0.022	0.018	0.016	0.018	0.084	0.541A	0.319	0.217	0.069	0.038	0.028	0.021E	10
11	0.022	0.018	0.016	0.018	0.083	0.603E	0.288	0.202	0.064	0.038	0.028	0.021E	11
12	0.022	0.018	0.017	0.018	0.084	0.590E	0.265	0.198	0.063	0.037	0.029	0.021E	12
13	0.021	0.018	0.017	0.018	0.096	0.616E	0.269	0.186	0.062	0.036	0.028	0.021E	13
14	0.022	0.018	0.018	0.018	0.131	0.616E	0.354	0.177	0.061	0.037	0.028	0.021E	14
15	0.021	0.017	0.018	0.021	0.176	0.641E	0.378	0.166	0.059	0.037	0.028	0.021E	15
16	0.022	0.017	0.018	0.025	0.150	0.672E	0.442	0.161	0.056	0.037	0.027	0.021E	16
17	0.023	0.016	0.018	0.025	0.149	0.636E	0.466	0.156	0.055	0.036	0.025	0.021E	17
18	0.024	0.016	0.018	0.027	0.209	0.583E	0.462	0.147	0.053	0.035	0.025	0.020E	18
19	0.024	0.016	0.018	0.031	0.307	0.539E	0.439	0.141	0.052	0.035	0.025	0.020E	19
20	0.023	0.016	0.018	0.041	0.376	0.505E	0.400	0.138	0.052	0.033	0.026	0.020E	20
21	0.022	0.016	0.018	0.045	0.811	0.487E	0.376	0.135	0.051	0.027	0.026	0.020E	21
22	0.022	0.016	0.018	0.043	0.996	0.467E	0.353	0.128	0.050	0.027	0.025	0.020E	22
23	0.022	0.016	0.017	0.057	1.05	0.452E	0.369	0.123	0.048	0.028	0.024	0.019E	23
24	0.022	0.016	0.017	0.074	1.16	0.437E	0.380	0.118	0.048	0.031	0.019	0.018E	24
25	0.022	0.017	0.017	0.058	1.24	0.462A	0.417	0.114	0.048	0.032	0.019	0.018E	25
26	0.022	0.017	0.017	0.062	1.42	0.470	0.429	0.110	0.048	0.036	0.021	0.018E	26
27	0.022	0.017	0.018	0.050	1.27	0.519	0.420	0.104	0.048	0.035	0.023	0.018E	27
28	0.022	0.017	0.018	0.053	1.06	0.492	0.399	0.097	0.048	0.035	0.021	0.015E	28
29	0.022		0.019	0.055	1.14	0.460	0.442	0.094	0.047	0.035	0.021	0.014E	29
30	0.022		0.019	0.083	1.16	0.467	0.426	0.101	0.046	0.033	0.020	0.014E	30
31	0.022		0.020		1.14		0.429	0.094		0.033		0.014E	31
TOTAL	0.718	0.499	0.537	1.007	15.122	19.485	12.996	5.970	1.845	1.133	0.791	0.603	TOTAL
MEAN	0.023	0.018	0.017	0.034	0.488	0.650	0.419	0.193	0.062	0.037	0.026	0.019	MEAN
MAX	0.028	0.021	0.020	0.083	1.42	1.12	0.602	0.415	0.092	0.046	0.033	0.021	MAX
MIN	0.021	0.016	0.016	0.018	0.071	0.437	0.265	0.094	0.046	0.027	0.019	0.014	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.166
MAXIMUM DAILY, 1.42 ON MAY 26
MINIMUM DAILY, 0.014E ON DEC 29
MAXIMUM INSTANTANEOUS,
1.51 AT 16:40 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 01 N
LONG 115 09 08 W
DRAINAGE AREA, 9.40 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	62.0	JUL	1 120
FEB	43.1	AUG	516
MAR	46.4	SEP	159
APR	87.0	OCT	97.9
MAY	1 310	NOV	68.3
JUN	1 680	DEC	52.1

TOTAL DISCHARGE, 5 240 dam³

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05FA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.007B	0.253	0.024	0.028	0.018	0.407	0.024	0.014	---	---	1
2	---	---	0.010B	0.217	0.031	0.020	0.018	0.544	0.029	0.014	---	---	2
3	---	---	0.015B	0.197	0.031	0.022	0.017	0.518	0.027	0.014	---	---	3
4	---	---	0.020B	0.182	0.028	0.018	0.016	0.405	0.025	0.011	---	---	4
5	---	---	0.018B	0.153	0.024	0.009	0.017	0.305	0.023	0.009	---	---	5
6	---	---	0.015B	0.111	0.045	0.010	0.020	0.226	0.014	0.009	---	---	6
7	---	---	0.025B	0.128	0.093	0.012	0.032	0.177	0.006	0.008	---	---	7
8	---	---	0.040B	0.117	0.055	0.009	0.040	0.141	0.007	0.025	---	---	8
9	---	---	0.080B	0.111	0.036	0.012	0.035	0.112	0.006	0.024	---	---	9
10	---	---	0.150B	0.101	0.032	0.012	0.034	0.082	0.004	0.018	---	---	10
11	---	---	0.250B	0.094	0.031	0.011	0.035	0.058	0.002	0.015	---	---	11
12	---	---	0.350B	0.081	0.031	0.009	0.034	0.045	0	0.012	---	---	12
13	---	---	0.600B	0.074	0.032	0.008	0.035	0.045	0	0.009	---	---	13
14	---	---	1.09 B	0.065	0.034	0.010	0.115	0.038	0.001	0.008	---	---	14
15	---	---	1.38 B	0.062	0.036	0.010	0.133	0.038	0	0.009	---	---	15
16	---	---	1.22 B	0.062	0.038	0.009	0.103	0.038	0	0.009	---	---	16
17	---	---	1.06 B	0.058	0.038	0.009	0.077	0.030	0	0.009	---	---	17
18	---	---	0.900B	0.050	0.036	0.007	0.070	0.027	0	0.010	---	---	18
19	---	---	0.775B	0.044	0.035	0.006	0.075	0.022	0	0.009	---	---	19
20	---	---	0.625B	0.040	0.032	0.009	0.084	0.020	0.017	0.010	---	---	20
21	---	---	0.450B	0.037	0.028	0.011	0.090	0.017	0.011	0.010	---	---	21
22	---	---	0.350B	0.032	0.025	0.009	0.087	0.014	0.020	0.010	---	---	22
23	---	---	0.363B	0.027	0.022	0.012	0.092	0.024	0.022	0.010	---	---	23
24	---	---	0.293B	0.029	0.021	0.014	0.093	0.040	0.015	0.011	---	---	24
25	---	---	0.303B	0.029	0.017	0.010	0.092	0.036	0.013	0.011	---	---	25
26	---	---	0.318B	0.026	0.020	0.008	0.120	0.029	0.011	0.011	---	---	26
27	---	---	0.304B	0.023	0.020	0.007	0.143	0.029	0.012	0.012A	---	---	27
28	---	---	0.292B	0.023	0.035	0.006	0.142	0.021	0.012	0.011E	---	---	28
29	---		0.284	0.023	0.029	0.006	0.179	0.018	0.012	0.011E	---	---	29
30	---		0.275	0.023	0.022	0.012	0.570	0.026	0.013	0.011E	---	---	30
31	---		0.269		0.020		0.366	0.024		0.011E		---	31
TOTAL	---	---	12.131	2.472	1.001	0.335	2.982	3.556	0.326	0.365	---	---	TOTAL
MEAN	---	---	0.391	0.082	0.032	0.011	0.096	0.115	0.011	0.012	---	---	MEAN
MAX	---	---	1.38	0.253	0.093	0.028	0.570	0.544	0.029	0.025	---	---	MAX
MIN	---	---	0.007	0.023	0.017	0.006	0.016	0.014	0	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.095
MAXIMUM DAILY, 1.38B ON MAR 15
MINIMUM DAILY, 0 ON SEP 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 05 N
LONG 113 37 46 W
DRAINAGE AREA, 73.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	258
FEB	---	AUG	307
MAR	1 050	SEP	28.2
APR	214	OCT	31.5
MAY	86.5	NOV	---
JUN	28.9	DEC	---

TOTAL DISCHARGE, 2 000 dam³

MASSY RESERVOIR NEAR ELKWATER - STATION NO. 11AB104

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	27.292E	27.470E	27.440E	27.876E	28.191E	28.541E	28.391E	28.287E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	27.387E	27.449E	27.863E	28.181E	28.591E	28.485E	28.344E	28.271E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	28.218	---	---	---	---	---	---	23
24	---	27.193	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	28.445	---	---	---	---	25
26	---	---	27.493	27.438E	27.874	28.210E	---	---	28.304E	---	---	---	26
27	---	---	27.493E	---	27.875E	---	28.590E	28.435E	---	28.265	---	---	27
28	---	27.232E	---	---	---	---	28.589	---	---	---	---	---	28
29	---		---	27.436	---	---	---	---	28.296	---	---	---	29
30	---		---	27.435E	---	28.202E	---	---	28.294E	---	---	---	30
31	---		27.483E		27.875E		28.573E	28.418E		28.262E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 04 N
LONG 110 22 12 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.260B	0.864	0.136	3.16	9.12	7.78	3.21	3.56	0.394	---	1
2	---	---	0.311B	0.795	0.134	3.59	8.79	7.13	3.16	3.54	0.368	---	2
3	---	---	0.292B	0.742	0.144	3.80	8.88	7.04	3.29	3.31	0.350	---	3
4	---	---	0.244B	0.626	0.134	4.92	7.38	6.64	3.00	3.09	0.314	---	4
5	---	---	0.220B	0.498	0.131	5.04	6.81	6.40	2.90	3.04	0.311A	---	5
6	---	---	0.260B	0.462	0.228	4.74	6.57	6.31	3.11	3.01	---	---	6
7	---	---	0.285B	0.428	0.335	4.99	6.49	6.35	3.18	3.91	---	---	7
8	---	---	0.252B	0.361	0.620	5.96	6.83	6.55	3.22	4.55	---	---	8
9	---	---	0.232B	0.328	0.739	5.66	7.22	6.34	3.06	4.77	---	---	9
10	---	---	0.309B	0.325	0.675	6.26	6.81	6.41	2.95	5.43	---	---	10
11	---	---	0.340B	0.299	0.499	7.04	6.75	6.26	2.65	5.56	---	---	11
12	---	---	0.328B	0.287	0.370	7.66	6.26	6.19	2.92	5.85	---	---	12
13	---	---	0.436B	0.248	0.333	9.01	6.80	5.82	3.24	5.71	---	---	13
14	---	---	0.658B	0.232	0.297	11.7	6.48	5.95	2.53	5.72	---	---	14
15	---	---	0.555B	0.204	0.283	12.5	7.04	5.75	2.41	5.13	---	---	15
16	---	---	0.590B	0.199	0.458	12.0	7.43	5.87	3.15	4.36	---	---	16
17	---	---	0.632B	0.203	1.05	11.2	7.65	6.09	3.28	4.11	---	---	17
18	---	---	0.946B	0.187	1.27	10.1	8.05	5.70	3.60	2.94	---	---	18
19	---	---	0.999B	0.188	1.17	9.25	8.69	5.30	3.76	2.30	---	---	19
20	---	---	0.763B	0.197	1.12	8.94	9.43	4.98	3.93	1.88	---	---	20
21	---	---	0.701B	0.197	1.18	8.37	9.35	5.05	4.44	1.46	---	---	21
22	---	---	0.586B	0.206	1.24	8.26	9.22	4.92	4.62	1.24	---	---	22
23	---	---	0.547B	0.199	1.13	7.86	9.29	4.91	4.43	1.04	---	---	23
24	---	---	0.637B	0.201	1.13	7.45	10.1	4.87	3.77	0.907	---	---	24
25	---	---	0.925B	0.182	1.03	7.03	10.0	4.61	3.73	0.810	---	---	25
26	---	---	0.682B	0.159	1.07	6.94	8.56	4.00	3.54	0.749	---	---	26
27	---	---	0.934B	0.153	1.23	7.52	8.24	4.09	3.73	0.673	---	---	27
28	---	---	1.38 B	0.146	1.24	9.70	8.23	4.00	4.40	0.570	---	---	28
29	---		1.45 B	0.147	1.21	11.4	7.98	3.58	4.13	0.512	---	---	29
30	---		1.09	0.138	1.73	10.8	8.16	3.35	3.53	0.460	---	---	30
31	---		0.974		2.32		8.18	3.48		0.430		---	31
TOTAL	---	---	18.818	9.401	24.636	232.85	246.79	171.72	102.87	90.621	---	---	TOTAL
MEAN	---	---	0.607	0.313	0.795	7.76	7.96	5.54	3.43	2.92	---	---	MEAN
MAX	---	---	1.45	0.864	2.32	12.5	10.1	7.78	4.62	5.85	---	---	MAX
MIN	---	---	0.220	0.138	0.131	3.16	6.26	3.35	2.41	0.430	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.66
MAXIMUM DAILY, 12.5 ON JUN 15
MINIMUM DAILY, 0.131 ON MAY 5
MAXIMUM INSTANTANEOUS,
12.7 AT 02:40 MST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 40 N
LONG 111 55 10 W
DRAINAGE AREA, 2 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	21 300
FEB	---	AUG	14 800
MAR	1 630	SEP	8 890
APR	812	OCT	7 830
MAY	2 130	NOV	---
JUN	20 100	DEC	---

TOTAL DISCHARGE, 77 500 dam³

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 E	0	0	0	0	0	0	0	0	0	---	1
2	---	0 E	0	0	0	0	0	0	0	0	0	---	2
3	---	0 E	0	0	0	0	0	0	0	0	0A	---	3
4	---	0 E	0	0	0	0	0	0	0	0	---	---	4
5	---	0 E	0	0	0	0	0	0	0	0	---	---	5
6	---	0 E	0	0	0	0	0	0	0	0	---	---	6
7	---	0 E	0	0	0	0	0	0	0	0	---	---	7
8	---	0 E	0	0	0	0	0	0	0	0	---	---	8
9	---	0 E	0	0	0	0	0	0	0	0	---	---	9
10	---	0 E	0	0	0	0	0	0	0	0	---	---	10
11	---	0 E	0	0	0	0	0	0	0	0	---	---	11
12	---	0 E	0	0	0	0	0	0	0	0	---	---	12
13	---	0 E	0	0	0	0	0	0	0	0	---	---	13
14	---	0 E	0	0	0	0.132	0	0	0	0	---	---	14
15	---	0.001E	0	0	0	0.012	0	0	0	0	---	---	15
16	---	0.002E	0	0	0	0.002	0	0	0	0	---	---	16
17	---	0.004E	0	0	0	0	0	0	0	0	---	---	17
18	---	0.007A	0	0	0	0	0	0	0	0	---	---	18
19	---	0.007	0	0	0	0	0	0	0	0	---	---	19
20	---	0.007	0	0	0	0	0	0	0	0	---	---	20
21	---	0.010	0	0	0	0	0	0	0	0	---	---	21
22	---	0.001	0	0	0	0	0	0	0	0	---	---	22
23	---	0	0	0	0	0	0	0	0	0	---	---	23
24	---	0	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	0.039	0	0	0	0.146	0	0	0	0	---	---	TOTAL
MEAN	---	0.001	0	0	0	0.005	0	0	0	0	---	---	MEAN
MAX	---	0.010	0	0	0	0.132	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.132 ON JUN 14
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.198 AT 11:10 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 40 N
LONG 110 11 03 W
DRAINAGE AREA, 20.5 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	3.37	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	12.6	DEC	---

TOTAL DISCHARGE, 12.6 dam³

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.980	2.18 E	0.721	0.168	0.122	0.079	---	---	1
2	---	---	---	---	1.09	1.98 E	0.634	0.159	0.120	0.140	---	---	2
3	---	---	---	---	0.890	1.80 A	0.604	0.145	0.120	0.121	---	---	3
4	---	---	---	---	0.761	1.67 E	0.599	0.133	0.116	0.099	---	---	4
5	---	---	---	---	0.747	1.52 E	0.577	0.127	0.108	0.085	---	---	5
6	---	---	---	---	0.691	1.41 E	0.557	0.118	0.105	0.077	---	---	6
7	---	---	---	---	0.664	1.30 E	0.516	0.114	0.104	0.085	---	---	7
8	---	---	---	---	0.677	1.19 E	0.461	0.109	0.095	0.080	---	---	8
9	---	---	---	---	0.718	1.08 E	0.412	0.107	0.089	0.078	---	---	9
10	---	---	---	---	0.761	1.00 E	0.410	0.101	0.080	0.082	---	---	10
11	---	---	---	---	0.755	0.940E	0.390E	0.096	0.073	0.080	---	---	11
12	---	---	---	---	0.731	0.900E	0.370E	0.096	0.074	0.094	---	---	12
13	---	---	---	---	0.734	1.10 E	0.350E	0.109	0.067	0.075	---	---	13
14	---	---	---	---	0.791	1.15 E	0.341	0.270	0.066	0.080	---	---	14
15	---	---	---	---	1.40	1.18 E	0.317	0.301	0.065	0.078	---	---	15
16	---	---	---	---	1.34	1.68 E	0.300	0.209	0.067	0.082	---	---	16
17	---	---	---	---	1.19	1.62 E	0.284	0.181	0.060	0.082	---	---	17
18	---	---	---	---	1.28	1.55 E	0.260	0.161	0.053	0.085	---	---	18
19	---	---	---	---	1.67	1.45 E	0.242	0.150	0.049	0.082	---	---	19
20	---	---	---	---	2.49	1.35 E	0.228	0.139	0.064	0.084	---	---	20
21	---	---	---	---	2.86	1.26 E	0.225	0.135	0.062	0.060	---	---	21
22	---	---	---	---	2.93	1.17 E	0.251	0.135	0.070	0.065	---	---	22
23	---	---	---	---	3.46	1.10 E	0.231	0.130	0.069	0.064	---	---	23
24	---	---	---	---	3.53	1.05 E	0.227	0.126	0.067	0.062	---	---	24
25	---	---	---	---	3.73	0.980A	0.236	0.122	0.073	0.064	---	---	25
26	---	---	---	---	6.03	0.880E	0.220	0.122	0.084	0.067	---	---	26
27	---	---	---	---	3.70 E	0.826	0.199	0.167	0.084	0.075A	---	---	27
28	---	---	---	---	3.30 E	0.744	0.205	0.129	0.104	0.078E	---	---	28
29	---		---	---	2.90 E	0.693	0.194	0.120	0.106	0.078E	---	---	29
30	---		---	0.737A	2.62 E	0.693	0.178	0.121	0.094	0.078E	---	---	30
31	---		---		2.38 E		0.173	0.121		0.077E		---	31
TOTAL	---	---	---	---	57.800	37.446	10.912	4.421	2.510	2.506	---	---	TOTAL
MEAN	---	---	---	---	1.86	1.25	0.352	0.143	0.084	0.081	---	---	MEAN
MAX	---	---	---	---	6.03	2.18	0.721	0.301	0.122	0.140	---	---	MAX
MIN	---	---	---	---	0.664	0.693	0.173	0.096	0.049	0.060	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.628
MAXIMUM DAILY, 6.03 ON MAY 26
MINIMUM DAILY, 0.049 ON SEP 19
MAXIMUM INSTANTANEOUS,
8.89 AT 06:00 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 04 N
LONG 114 31 12 W
DRAINAGE AREA, 32.6 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	943
FEB	---	AUG	382
MAR	---	SEP	217
APR	---	OCT	217
MAY	4 990	NOV	---
JUN	3 240	DEC	---

TOTAL DISCHARGE, 9 990 dam³

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	9.73	30.1	34.8	32.5	30.6	29.0	0.109	---	1
2	---	---	---	0	12.7	30.6	34.9	32.5	30.6	27.5	0.097	---	2
3	---	---	---	0	14.1	30.4	35.3	32.3	30.6	26.4	0.073	---	3
4	---	---	---	0	16.9	26.9	35.1	31.7	30.8	26.6	0.024	---	4
5	---	---	---	0	18.7	24.0	35.0	31.2	30.5	25.0	0 A	---	5
6	---	---	---	0	22.7	19.3	35.0	31.2	30.4	23.7	0 E	---	6
7	---	---	---	0	24.4	18.1	35.3	30.7	30.3	23.9	0 E	---	7
8	---	---	---	0	24.9	13.9	36.0	32.7	30.4	24.0	0 E	---	8
9	---	---	---	0	26.6	12.1	35.6	33.5	30.1	25.5	0 E	---	9
10	---	---	---	0	28.0	11.9	34.6	33.3	29.9	28.0	0 E	---	10
11	---	---	---	0	28.0	11.9	33.6	33.6	29.6	28.9	0 E	---	11
12	---	---	---	0	30.0	13.7	33.1	33.8	29.3	29.3	0 E	---	12
13	---	---	---	0	31.4	20.2	32.6	33.6	29.5	29.1	0 E	---	13
14	---	---	---	0	30.3	25.8	29.0	33.2	29.2	28.8	0 E	---	14
15	---	---	---	0	28.9	29.4	22.0	33.3	29.6	28.8	0 E	---	15
16	---	---	---	0	28.0	29.1	18.0	33.2	29.3	28.3	0 E	---	16
17	---	---	---	0	32.6	28.6	12.5	33.5	28.7	28.3	0 E	---	17
18	---	---	---	0	31.9	28.5	9.23	33.2	28.7	28.5	0 E	---	18
19	---	---	---	0	28.3	28.1	6.57	32.9	28.8	27.8	0 E	---	19
20	---	---	---	0	28.1	29.8	5.78	33.0	28.4	24.4	0 E	---	20
21	---	---	---	0	29.3	31.5	13.7	33.0	28.4	21.5	0 E	---	21
22	---	---	---	0	30.0	31.4	22.3	32.2	28.7	15.6	0 E	---	22
23	---	---	0	0	30.8	31.0	27.1	32.0	28.9	13.7	0 E	---	23
24	---	---	0	0	30.8	30.6	30.4	32.3	28.4	9.02	0 E	---	24
25	---	---	0	0	31.3	29.6	32.6	31.9	28.7	4.56	0 E	---	25
26	---	---	0	0	31.1	28.8	32.3	31.7	28.8	4.30	0 E	---	26
27	---	---	0	0	31.2	31.0	31.8	31.5	28.8	2.31	0 E	---	27
28	---	---	0	0	31.6	34.1	31.5	31.1	28.7	0.495	0 E	---	28
29	---		0	0	31.2	34.7	32.2	31.5	29.0	0.255	0 E	---	29
30	---		0	6.97	30.4	34.8	31.9	31.2	29.0	0.161	0 E	---	30
31	---		0		29.9		31.7	31.2		0.112		---	31
TOTAL	---	---	---	6.97	833.83	779.9	871.48	1 004.5	882.7	613.813	0.303	---	TOTAL
MEAN	---	---	---	0.232	26.9	26.0	28.1	32.4	29.4	19.8	0.010	---	MEAN
MAX	---	---	---	6.97	32.6	34.8	36.0	33.8	30.8	29.3	0.109	---	MAX
MIN	---	---	---	0	9.73	11.9	5.78	30.7	28.4	0.112	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.5
MAXIMUM DAILY, 36.0 ON JUL 8
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 20 N
LONG 112 55 25 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	75 300
FEB	---	AUG	86 800
MAR	---	SEP	76 300
APR	602	OCT	53 000
MAY	72 000	NOV	26.2
JUN	67 400	DEC	---

TOTAL DISCHARGE, 431 000 dam³

MCGREGOR TO TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	43.8	16.3	47.5	31.4	25.9	18.9	0	---	1
2	---	---	---	0	45.1	18.9	47.5	31.3	26.0	16.7	0A	---	2
3	---	---	---	0	44.8	19.0	47.5	31.4	26.1	16.7	---	---	3
4	---	---	---	0	44.6	23.6	47.5	31.2	23.4	16.7	---	---	4
5	---	---	---	0	44.5	26.1	47.6	27.3	21.3	16.7	---	---	5
6	---	---	---	0	44.5	26.0	47.4	24.8	21.4	12.1	---	---	6
7	---	---	---	0	44.4	26.2	47.5	24.7	21.4	9.20	---	---	7
8	---	---	---	0	40.6	26.1	47.5	24.7	21.4	9.19	---	---	8
9	---	---	---	0	32.9	30.1	47.7	24.7	21.4	3.90	---	---	9
10	---	---	---	0	27.2	32.7	47.9	24.8	21.6	0.023	---	---	10
11	---	---	---	0	20.5	36.1	47.7	20.8	21.5	0	---	---	11
12	---	---	---	0	18.2	37.8	47.5	18.6	21.6	0	---	---	12
13	---	---	---	3.09	13.9	36.0	47.6	18.6	21.8	0	---	---	13
14	---	---	---	6.96	11.8	21.4	47.5	18.4	23.7	0	---	---	14
15	---	---	---	7.06	7.86	18.4	47.4	18.6	25.2	0	---	---	15
16	---	---	---	9.33	2.53	23.0	47.4	18.8	26.5	0	---	---	16
17	---	---	---	9.96	0.178	25.8	47.2	18.6	29.3	0	---	---	17
18	---	---	---	9.96	0.160	28.6	46.8	18.7	30.3	0	---	---	18
19	---	---	---	10.1	0.159	32.5	46.5	18.7	30.3	6.73	---	---	19
20	---	---	---	10.1	0.150	32.5	46.4	18.7	30.2	14.6	---	---	20
21	---	---	---	11.6	0.142	32.5	46.3	18.7	30.1	14.6	---	---	21
22	---	---	---	12.7	0.052	32.5	46.2	18.8	30.1	11.3	---	---	22
23	---	---	0A	12.6	0	32.4	43.0	18.8	30.1	2.35	---	---	23
24	---	---	0	16.3	0	32.5	41.5	23.1	30.0	0.173	---	---	24
25	---	---	0	23.6	0	35.7	41.4	26.0	30.0	0.127	---	---	25
26	---	---	0	26.4	0	39.8	41.3	25.9	30.0	0.055	---	---	26
27	---	---	0	30.4	0	42.6	38.5	26.0	30.0	0	---	---	27
28	---	---	0	36.0	6.77	42.5	36.9	26.1	29.8	0	---	---	28
29	---		0	40.2	11.4	42.7	37.1	26.2	25.6	0	---	---	29
30	---		0	41.3	11.4	46.0	33.8	26.1	23.2	0	---	---	30
31	---		0		11.4		31.3	26.0		0		---	31
TOTAL	---	---	---	317.66	529.001	916.3	1 384.9	726.5	779.2	170.048	---	---	TOTAL
MEAN	---	---	---	10.6	17.1	30.5	44.7	23.4	26.0	5.49	---	---	MEAN
MAX	---	---	---	41.3	45.1	46.0	47.9	31.4	30.3	18.9	---	---	MAX
MIN	---	---	---	0	0	16.3	31.3	18.4	21.3	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.5
MAXIMUM DAILY, 47.9 ON JUL 10
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 112 49 00 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	120 000
FEB	---	AUG	62 800
MAR	---	SEP	67 300
APR	27 400	OCT	14 700
MAY	45 700	NOV	---
JUN	79 200	DEC	---

TOTAL DISCHARGE, 417 000 dam³

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.25B	2.87B	3.21B	5.32B	10.1	46.4	16.5	106	16.7	10.8	10.4	4.41B	1
2	4.80B	2.80B	3.08B	5.70B	10.4	51.6	15.9	90.7	15.7	10.8	10.8	3.92B	2
3	4.40B	2.65B	3.06B	5.84B	11.0	47.8	14.9	74.9	18.5	11.1	11.3	3.60B	3
4	4.00B	2.55B	3.18B	5.76B	10.2	42.0	14.2	63.1	21.0	11.2	11.3	3.27B	4
5	3.92B	2.49B	3.25B	5.60B	9.54	36.6	13.9	55.5	20.4	10.8	11.0	2.90B	5
6	3.85B	2.40B	3.30B	6.06B	9.47	32.1	13.8	48.4	21.2	10.6	10.6	2.81B	6
7	3.89B	2.27B	3.32B	6.03B	11.0	29.9	13.5	42.0	20.0	10.5	10.6	2.81B	7
8	3.83B	2.15B	3.21B	6.27B	13.9	27.0	16.6	37.1	17.9	10.5	10.3 B	2.87B	8
9	3.91B	2.08B	3.26B	5.73B	21.9	25.2	17.9	33.2	16.3	10.6	9.58B	2.58B	9
10	3.89B	2.03B	3.45B	6.37B	37.1	25.3	15.6	29.8	15.1	10.6	9.17B	2.34B	10
11	3.84B	1.94B	3.53B	6.15B	47.8	29.2	14.6	26.3	14.0	10.6	9.00B	2.16B	11
12	3.83B	1.90B	3.65B	6.12B	42.7	37.6	14.1	24.3	13.4	10.6	8.60B	1.73B	12
13	3.66B	1.88B	3.72B	6.40B	38.5	42.5	13.6	23.0	13.0	10.5	8.64B	1.83B	13
14	3.50B	1.92B	3.75B	6.93B	34.2	51.3	13.9	21.4	12.6	10.3	8.29B	1.73B	14
15	3.45B	2.11B	3.81B	7.26B	36.3	50.3	29.0	19.8	12.2	10.2	8.17B	1.71B	15
16	3.42B	2.38B	3.80B	7.35B	52.3	45.6	51.2	18.8	11.7	10.2	7.23B	1.71B	16
17	3.36B	2.61B	3.80B	9.09B	44.0	40.7	39.1	18.3	11.2	10.1	6.80B	1.70B	17
18	3.13B	2.70B	3.75B	9.26B	40.9	37.4	31.7	18.3	11.0	10.0	5.49B	1.70B	18
19	2.93B	2.82B	3.57B	10.0 B	39.9	33.9	26.8	17.5	10.8	9.97	5.40B	1.70B	19
20	2.87B	2.98B	3.47B	11.4 B	41.3	31.2	23.7	16.8	11.1	9.93	5.30B	1.70B	20
21	2.90B	3.15B	3.25B	12.6	43.6	30.8	23.8	16.2	12.9	9.76	5.20B	1.70B	21
22	3.02B	3.32B	3.09B	13.7	52.0	29.0	33.5	16.2	13.0	9.42	5.05B	1.70B	22
23	3.08B	3.33B	3.09B	13.8	62.9	26.3	48.5	15.3	13.1	9.17	4.90B	1.69B	23
24	3.17B	3.36B	3.26B	14.2	61.6	24.2	72.3	14.2	13.1	9.37	4.80B	1.68B	24
25	3.21B	3.32B	3.40B	16.0	55.2	22.6	97.5	13.4	13.4	10.1	4.70B	1.66B	25
26	3.32B	3.26B	3.57B	14.5	52.4	20.6	81.5	12.7	13.3	10.8	4.60B	1.62B	26
27	3.36B	3.27B	3.76B	12.4	51.4	19.4	65.4	12.6	12.7	11.0	4.58B	1.60B	27
28	3.40B	3.27B	3.90B	11.2	46.7	19.7	56.3	12.7	12.1	11.0	4.49B	1.59B	28
29	3.36B		4.09B	10.5	42.6	19.1	59.0	13.1	11.7	11.0	4.52B	1.55B	29
30	3.28B		4.55B	10.1	38.1	17.7	92.1	14.1	11.3	11.0	4.62B	1.53B	30
31	2.88B		5.01B		40.4		122	16.9		10.4		1.51B	31
TOTAL	110.71	73.81	110.14	267.64	1 109.41	993.0	1 162.4	942.6	430.4	322.92	225.43	67.01	TOTAL
MEAN	3.57	2.64	3.55	8.92	35.8	33.1	37.5	30.4	14.3	10.4	7.51	2.16	MEAN
MAX	5.25	3.36	5.01	16.0	62.9	51.6	122	106	21.2	11.2	11.3	4.41	MAX
MIN	2.87	1.88	3.06	5.32	9.47	17.7	13.5	12.6	10.8	9.17	4.49	1.51	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.9
MAXIMUM DAILY, 122 ON JUL 31
MINIMUM DAILY, 1.51B ON DEC 31
MAXIMUM INSTANTANEOUS,
133 AT 02:30 MST ON JUL 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 28 10 N
LONG 116 37 45 W
DRAINAGE AREA, 2 560 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 570	JUL	100 000
FEB	6 380	AUG	81 400
MAR	9 520	SEP	37 200
APR	23 100	OCT	27 900
MAY	95 900	NOV	19 500
JUN	85 800	DEC	5 790

TOTAL DISCHARGE, 502 000 dam³

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	9.90B	28.3B	34.7	113 E	38.3	215 E	22.0	18.7	---	---	1
2	---	---	9.80B	29.7B	34.0	123 E	34.7	185 E	28.6	18.1	---	---	2
3	---	---	9.70B	31.5B	34.1	134 E	32.8	158 E	28.1	17.5	---	---	3
4	---	---	9.50B	34.2B	35.4	127 E	30.8	135 E	26.4	17.1	---	---	4
5	---	---	9.30B	34.0B	36.2	120 E	28.2	117 E	31.9	17.1	---	---	5
6	---	---	9.10B	31.8B	34.7	110 E	26.1	102 E	34.2	17.3	---	---	6
7	---	---	9.00B	28.0B	36.5	98.0E	25.5	86.0E	32.3	17.1	---	---	7
8	---	---	8.90B	25.0B	50.2	84.0E	24.5	74.0E	32.1	16.9	---	---	8
9	---	---	8.80R	23.0B	96.5	76.0E	23.4	63.5E	29.6	16.7	---	---	9
10	---	---	9.00R	22.0B	125	68.0E	26.9A	55.5E	26.1	16.6	---	---	10
11	---	---	9.20B	21.6B	138	60.0E	27.5E	47.2A	23.6	16.8	---	---	11
12	---	---	9.30B	21.4B	141	63.0E	25.2E	42.6	21.7	16.9	---	---	12
13	---	---	9.25B	22.0B	126	76.0E	23.5E	38.7	20.1	16.9	---	---	13
14	---	---	9.40B	23.2B	113	86.0E	23.2E	35.6	18.9	17.0	---	---	14
15	---	---	9.50B	24.5B	101	92.0E	24.3E	33.4	17.9	16.7	---	---	15
16	---	---	10.7 B	26.8B	96.5	110 E	26.0E	31.4	17.5	16.3	---	---	16
17	---	---	14.8 B	30.1B	112	101 E	66.0E	29.1	17.1	15.8	---	---	17
18	---	---	17.0 B	32.9B	105	93.8	70.0E	28.6	16.4	15.8	---	---	18
19	---	---	18.3 B	36.3B	95.4	85.9	60.0E	26.7	16.0	15.6	---	---	19
20	---	---	18.2 B	37.1	90.2	80.3	50.0E	26.6	15.7	15.2	---	---	20
21	---	---	17.3 B	38.7	89.6	73.3	45.0E	25.5	15.4	15.2	---	---	21
22	---	---	16.0 B	42.3	90.8	68.4	43.0E	24.3	15.1	14.8	---	---	22
23	---	---	14.4 B	44.9	99.9	66.6	44.5E	22.9	17.9	14.6	---	---	23
24	---	---	13.1 B	46.6	133	60.7	67.5E	22.6	21.2	14.4	---	---	24
25	---	---	12.9 B	47.2	148 E	55.0	96.0E	21.6	21.2	14.5	---	---	25
26	---	---	13.8 B	48.6	137 E	49.9	165 E	20.2	21.2	15.2	---	---	26
27	---	---	17.2 B	48.2	127 E	45.4	135 E	18.9	21.7	17.0	---	---	27
28	---	---	20.4 B	43.4	132 E	42.1	110 E	17.7	21.6	20.0A	---	---	28
29	---		21.6 B	38.9	122 E	39.8	93.0E	17.5	20.6	21.0E	---	---	29
30	---		23.2 B	36.3	110 E	40.9	87.0E	20.3	19.8	20.5E	---	---	30
31	---		25.8 B		104 E		140 E	21.9		20.0E		---	31
TOTAL	---	---	414.35	998.5	2 928.7	2 443.1	1 712.9	1 764.3	671.9	523.3	---	---	TOTAL
MEAN	---	---	13.4	33.3	94.5	81.4	55.3	56.9	22.4	16.9	---	---	MEAN
MAX	---	---	25.8	48.6	148	134	165	215	34.2	21.0	---	---	MAX
MIN	---	---	8.80	21.4	34.0	39.8	23.2	17.5	15.1	14.4	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 46.8
MAXIMUM DAILY, 215E ON AUG 1
MINIMUM DAILY, 8.80B ON MAR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 46 N
LONG 115 50 18 W
DRAINAGE AREA, 9 120 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	148 000
FEB	---	AUG	152 000
MAR	35 800	SEP	58 100
APR	86 300	OCT	45 200
MAY	253 000	NOV	---
JUN	211 000	DEC	---

TOTAL DISCHARGE, 989 000 dam³

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.2 B	5.99B	6.03B	14.1B	22.8	103	29.9	148	25.5	14.9	15.1	8.27B	1
2	13.0 B	5.01B	5.93B	14.4B	22.6	112	28.2	130	24.3	14.2	15.6	8.25B	2
3	12.3 B	5.01B	5.67B	14.5B	23.5	110	26.7	107	23.5	14.0	16.9	8.23B	3
4	11.9 B	4.70B	5.23B	15.3B	24.3	97.4	25.1	89.0	28.6	14.9	17.5	8.00B	4
5	11.1 B	4.46B	5.19B	15.9B	23.0	82.1	23.2	76.8	29.3	14.8	16.5	7.30B	5
6	10.4 B	4.17B	5.25B	16.3B	22.5	70.6	22.3	67.0	27.9	14.3	14.6	6.50B	6
7	10.3 B	3.99B	5.16B	17.2B	27.7	63.3	21.7	57.8	27.8	14.0	15.5	5.00B	7
8	10.1 B	3.90B	5.01B	18.0B	55.0	58.0	21.4	50.4	25.1	13.8	16.6	5.02B	8
9	10.1 B	3.79B	5.19B	18.4B	90.4	52.8	25.9	44.6	22.4	14.1	13.5 B	5.01B	9
10	9.78B	3.77B	5.41B	18.0B	106	49.3	26.0	40.1	20.1	14.7	12.6 B	4.75B	10
11	9.67B	3.91B	6.12B	17.8B	120	51.3	23.2	36.7	18.3	14.4	11.3 B	4.40B	11
12	9.34B	4.09B	7.14B	18.0B	108	57.2	21.5	33.9	17.0	14.4	10.2 B	4.05B	12
13	9.04B	4.10B	8.03B	19.0B	93.2	76.2	20.6	31.5	15.9	13.9	10.5 B	3.75B	13
14	8.63B	4.06B	9.09B	21.5B	81.2	77.5	20.3	29.9	15.2	13.6	10.2 B	3.45B	14
15	8.25B	3.98B	10.6 B	22.5B	74.0	85.0	21.7	28.3	14.5	13.2	10.0 B	3.20B	15
16	7.79B	4.00B	12.1 B	24.0B	84.5	79.3	54.6	26.3	14.1	13.0	9.88B	3.00B	16
17	7.63B	4.19B	12.9 B	26.0B	86.8	70.9	58.8	26.6	13.7	12.7	9.76B	2.84B	17
18	7.23B	4.52B	14.2 B	27.6B	77.5	65.3	47.7	24.7	13.1	12.5	9.64B	2.82B	18
19	6 87B	4.81B	15.2 B	27.0B	72.2	60.8	40.1	24.6	12.7	12.3	9.52B	2.80B	19
20	6.42B	5.12B	14.8 B	25.1B	70.2	55.6	36.8	23.3	12.5	11.9	9.40B	2.78B	20
21	6.00B	5.44B	13.2 B	28.2	70.1	52.0	35.6	22.0	13.3	11.6	9.24B	2.78B	21
22	5.88B	5.87B	11.2 B	29.7	75.3	51.0	39.3	21.3	16.9	11.3	9.08B	2.78B	22
23	6.10B	6.16B	10.0 B	30.3	93.7	46.8	61.8	21.0	17.5	10.2	8.92B	2.77B	23
24	6.42B	6.79B	8.74B	30.8	124	42.8	88.3	19.5	17.4	11.1	8.76B	2.75B	24
25	6.66B	6.92B	9.01B	31.9	115	39.3	135	17.7	17.8	12.4	8.60B	2.70B	25
26	6.73B	6.73B	10.5 B	32.6	104	36.8	123	16.5	18.3	14.5	8.58B	2.65B	26
27	6.83B	6.28B	12.3 B	29.4	107	34.1	95.9	15.7	17.6	17.7	8.48B	2.60B	27
28	7.11B	6.00B	12.6 B	26.1	102	33.0	79.9	15.4	16.8	17.9	8.42B	2.50B	28
29	7.11B		13.1 B	24.2	98.0	34.5	72.3	18.1	16.0	17.3	8.36B	2.40B	29
30	6.99B		13.6 B	23.0	87.0	32.4	93.4	19.1	15.4	16.7	8.30B	2.33B	30
31	6.63B		13.9 B		86.8		179	20.5		15.8		2.27B	31
TOTAL	265.51	137.76	292.40	676.8	2 348.3	1 880.3	1 599.2	1 303.3	568.5	432.1	341.50	127.95	TOTAL
MEAN	8.56	4.92	9.43	22.6	75.8	62.7	51.6	42.0	19.0	13.9	11.4	4.13	MEAN
MAX	13.2	6.92	15.2	32.6	124	112	179	148	29.3	17.9	17.5	8.27	MAX
MIN	5.88	3.77	5.01	14.1	22.5	32.4	20.3	15.4	12.5	10.2	8.30	2.27	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 27.3
MAXIMUM DAILY, 179 ON JUL 31
MINIMUM DAILY, 2.27B ON DEC 31
MAXIMUM INSTANTANEOUS,
192 AT 07:20 MST ON JUL 31

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 15 N
LONG 116 16 50 W
DRAINAGE AREA, 6 320 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	22 900	JUL	138 000
FEB	11 900	AUG	113 000
MAR	25 300	SEP	49 100
APR	58 500	OCT	37 300
MAY	203 000	NOV	29 500
JUN	162 000	DEC	11 100

TOTAL DISCHARGE, 862 000 dam³

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.034B	0.017	0.005	0.212	0.128	0.079	0.031	0.028	---	---	1
2	---	---	0.030B	0.011	0.004	0.237	0.156	0.070	0.027	0.025	---	---	2
3	---	---	0.019B	0.006	0.004	0.186	0.119	0.068	0.027	0.024	---	---	3
4	---	---	0.023B	0.004	0.004	0.159	0.104	0.074	0.032	0.027	---	---	4
5	---	---	0.012B	0.005	0.008	0.146	0.100	0.065	0.031	0.029	---	---	5
6	---	---	0.014B	0.005	0.063	0.139	0.102	0.059	0.030	0.030	---	---	6
7	---	---	0.014B	0.008	0.018	0.131	0.097	0.038	0.028	0.031	---	---	7
8	---	---	0.012B	0.008	0.096	0.137	0.088	0.036	0.026	0.031	---	---	8
9	---	---	0.014B	0.008	0.097	0.140	0.085	0.034	0.022	0.029	---	---	9
10	---	---	0.012	0.009	0.016	0.145	0.070	0.031	0.020E	0.030	---	---	10
11	---	---	0.012	0.006	0.009	0.117	0.079	0.027	0.018E	0.035	---	---	11
12	---	---	0.024	0.007	0.009	0.108	0.066	0.025	0.017E	0.052	---	---	12
13	---	---	0.013	0.008	0.011	0.293	0.059	0.028	0.015E	0.060	---	---	13
14	---	---	0.014	0.007	0.010	0.931	0.139	0.038	0.013E	0.053	---	---	14
15	---	---	0.013	0.006	0.166	0.473	0.068	0.205	0.012E	0.054	---	---	15
16	---	---	0.015	0.007E	0.674	0.367	0.142	0.077	0.010E	0.045	---	---	16
17	---	---	0.037	0.007E	0.479	0.339	0.387	0.066	0.009E	0.037	---	---	17
18	---	---	0.019	0.008E	0.652	0.402	0.122	0.065	0.008E	0.035	---	---	18
19	---	---	0.017	0.008E	0.817	0.341	0.096	0.053	0.006E	0.043	---	---	19
20	---	---	0.013	0.008E	0.749	0.311	0.076	0.040	0.005E	0.048	---	---	20
21	---	---	0.012	0.009A	0.545	0.286	0.076	0.037	0.004A	0.062	---	---	21
22	---	---	0.012	0.009	0.523	0.271	0.158	0.037	0.023	0.050	---	---	22
23	---	0.060B	0.018	0.009	0.433	0.260	0.295	0.037	0.021	0.059	---	---	23
24	---	0.051B	0.051	0.009	0.587	0.260	0.166	0.035	0.021	0.065	---	---	24
25	---	0.033B	0.033	0.006	0.433	0.229	0.570	0.033	0.022	0.070	---	---	25
26	---	0.037B	0.025	0.006	0.363	0.198	0.385	0.032	0.026	0.051A	---	---	26
27	---	0.022B	0.065	0.005	0.319	0.195	0.138	0.030	0.031	0.050E	---	---	27
28	---	0.018B	0.015	0.004	0.299	0.262	0.091	0.028	0.031	0.050E	---	---	28
29	---		0.012	0.005	0.284	0.180	0.087	0.026	0.028	0.050E	---	---	29
30	---		0.015	0.005	0.256	0.143	0.079	0.027	0.031	0.050E	---	---	30
31	---		0.026		0.227		0.087	0.031		0.050E		---	31
TOTAL	---	---	0.645	0.220	8.160	7.598	4.415	1.531	0.625	1.353	---	---	TOTAL
MEAN	---	---	0.021	0.007	0.263	0.253	0.142	0.049	0.021	0.044	---	---	MEAN
MAX	---	---	0.065	0.017	0.817	0.931	0.570	0.205	0.032	0.070	---	---	MAX
MIN	---	---	0.012	0.004	0.004	0.108	0.059	0.025	0.004	0.024	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.100
MAXIMUM DAILY, 0.931 ON JUN 14
MINIMUM DAILY, 0.004 ON APR 4
MAXIMUM INSTANTANEOUS,
1.19 AT 14:00 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 15 N
LONG 113 39 43 W
DRAINAGE AREA, 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	381
FEB	---	AUG	132
MAR	55.7	SEP	54.0
APR	19.0	OCT	117
MAY	705	NOV	---
JUN	656	DEC	---

TOTAL DISCHARGE, 2 120 dam³

MEANDER RIVER AT OUTLET OF HUTCH LAKE - STATION NO. 07OB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.550B	0.445	0.031	0.037	0.008	0	---	---	1
2	---	---	0B	0 B	0.996B	0.416	0.036	0.026	0.006	0	---	---	2
3	---	---	0B	0 B	1.56 B	0.387	0.037	0.024	0.005	0	---	---	3
4	---	---	0B	0 B	2.63	0.355	0.039	0.024	0.004	0	---	---	4
5	---	---	0B	0 B	2.71	0.341	0.024	0.024	0.003	0	---	---	5
6	---	---	0B	0 B	2.50	0.335	0.024	0.023	0.002	0	---	---	6
7	---	---	0B	0 B	2.23	0.328	0.023	0.023	0.001	0	---	---	7
8	---	---	0B	0 B	2.01	0.312	0.023	0.022	0.001	0	---	---	8
9	---	---	0B	0 B	1.71	0.310	0.024	0.023	0	0	---	---	9
10	---	---	0B	0 B	1.50	0.282	0.023	0.022	0	0	---	---	10
11	---	---	0B	0 B	1.32	0.267	0.023	0.021	0	0	---	---	11
12	---	---	0B	0 B	1.23	0.231	0.023	0.021	0	0	---	---	12
13	---	---	0B	0 B	1.11	0.210	0.029	0.020	0	0	---	---	13
14	---	---	0B	0 B	1.04	0.157	0.045	0.019	0	0	---	---	14
15	---	---	0B	0 B	0.900	0.135	0.072	0.019	0	0	---	---	15
16	---	---	0B	0 B	0.810	0.117	0.055	0.019	0	0	---	---	16
17	---	---	0B	0 B	0.735	0.105	0.043	0.018	0	0	---	---	17
18	---	---	0B	0 B	0.687	0.094	0.029	0.017	0	0	---	---	18
19	---	---	0B	0 B	0.642	0.081	0.044	0.016	0	0	---	---	19
20	---	---	0B	0 B	0.614	0.058	0.042	0.015	0	0	---	---	20
21	---	---	0B	0 B	0.673	0.052	0.042	0.015	0	0	---	---	21
22	---	---	0B	0 B	0.669	0.051	0.041	0.014	0	0	---	---	22
23	---	---	0B	0 B	0.624	0.048	0.050	0.014	0	0	---	---	23
24	---	---	0B	0.001B	0.615	0.049	0.051	0.013	0	0	---	---	24
25	---	0B	0B	0.010B	0.595	0.054	0.055	0.012	0	0	---	---	25
26	---	0B	0B	0.050B	0.578	0.052	0.042	0.012	0	0	---	---	26
27	---	0B	0B	0.100B	0.581	0.056	0.039	0.011	0	0	---	---	27
28	---	0B	0B	0.150B	0.568	0.053	0.030	0.010	0	0	---	---	28
29	---		0B	0.200B	0.570	0.051	0.031	0.010	0	0	---	---	29
30	---		0B	0.306B	0.552	0.043	0.034	0.008	0	0	---	---	30
31	---		0B		0.495		0.039	0.008		0		---	31
TOTAL	---	---	0	0.817	34.004	5.475	1.143	0.560	0.030	0	---	---	TOTAL
MEAN	---	---	0	0.027	1.10	0.183	0.037	0.018	0.001	0	---	---	MEAN
MAX	---	---	0	0.306	2.71	0.445	0.072	0.037	0.008	0	---	---	MAX
MIN	---	---	0	0	0.495	0.043	0.023	0.008	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.172
MAXIMUM DAILY, 2.71 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.93 AT 15:00 MST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 46 15 N
LONG 117 23 05 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	98.8
FEB	---	AUG	48.4
MAR	0	SEP	2.59
APR	70.6	OCT	0
MAY	2 940	NOV	---
JUN	473	DEC	---

TOTAL DISCHARGE, 3 630 dam³

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.550B	0.520B	0.610B	15.0 B	2.93	5.04	1.23	63.2	1.28	1.11	1.68	0.660B	1
2	0.550B	0.520B	0.640B	12.5 B	2.79	7.09	1.10	67.7	1.29	1.11	1.70	0.640B	2
3	0.550B	0.520B	0.670B	9.00B	2.73	10.1	1.01	58.5	1.29	1.10	1.72	0.610B	3
4	0.550B	0.520B	0.700B	7.00B	2.65	9.12	0.983	38.1	1.28	1.09	1.71	0.590B	4
5	0.550B	0.520B	0.600B	6.50B	2.86	8.23	0.928	27.6	1.27	1.08	1.73	0.570B	5
6	0.550B	0.500B	0.500B	6.00B	13.2	7.43	0.868	22.9	1.26	1.08	1.65 B	0.550B	6
7	0.550B	0.500B	0.500B	5.70B	39.0	6.03	0.875	17.8	1.24	1.08	1.60 B	0.520B	7
8	0.550B	0.500B	0.400B	5.54	56.0	4.79	1.01	12.9	1.22	1.08	1.55 B	0.500B	8
9	0.550B	0.500B	0.500B	4.64	69.1	4.37	0.913	9.85	1.21	1.08	1.50 B	0.470B	9
10	0.550B	0.500B	0.500B	3.99	66.6	3.93	0.954	7.85	1.18	1.08	1.45 B	0.450B	10
11	0.550B	0.490B	0.600B	3.24	46.4	3.77	0.947	6.19	1.16	1.08	1.34 B	0.430B	11
12	0.550B	0.490B	0.700B	2.77	33.1	3.66	0.716	5.16	1.23	1.07	1.15 B	0.400B	12
13	0.550B	0.490B	0.750B	2.36	24.7	3.68	0.652	4.10	1.16	1.07	1.13 B	0.370B	13
14	0.550B	0.490B	0.830B	2.50	18.8	3.64	0.874	3.53	1.12	1.07	1.10 B	0.340B	14
15	0.550B	0.490B	1.95 B	2.66	14.5	3.28	8.49	3.20	1.05	1.06	1.08 B	0.320B	15
16	0.540B	0.480B	8.21 B	2.52	13.3	2.85	19.4	2.63	1.00	1.06	1.05 B	0.300B	16
17	0.540B	0.480B	23.9 B	2.40	12.4	2.63	23.8	2.34	0.988	1.07	1.02 B	0.270B	17
18	0.540B	0.480B	31.2 B	2.47	11.4	2.51	21.3	2.33	0.978	1.07	1.00 B	0.270B	18
19	0.540B	0.480B	32.3 B	2.53	10.2	2.53	15.8	2.18	0.966	1.29	0.970B	0.270B	19
20	0.540B	0.480B	29.7 B	2.53	9.67	2.52	10.5	1.93	1.23	1.33	0.940B	0.270B	20
21	0.540B	0.480B	19.5 B	2.52	9.03	2.45	8.36	1.83	1.11	1.10	0.910B	0.270B	21
22	0.540B	0.480B	14.3 B	2.53	7.03	2.33	9.50	1.68	1.08	1.09	0.890B	0.270B	22
23	0.540B	0.480B	9.39 B	2.53	5.66	2.32	11.5	1.80	1.24	1.19	0.860B	0.250B	23
24	0.540B	0.480B	7.84 B	2.66	5.34	2.22	14.8	1.58	1.33	1.24	0.830B	0.230B	24
25	0.540B	0.480B	11.0 B	2.82	5.10	1.94	21.0	1.45	1.33	1.48	0.810B	0.220B	25
26	0.540B	0.500B	17.4 B	2.97	4.93	1.72	22.4	1.39	1.35	1.55	0.790B	0.200B	26
27	0.540B	0.530B	23.9 B	3.72	4.73	1.64	18.9	1.35	1.36	1.56	0.760B	0.190B	27
28	0.530B	0.570B	24.8 B	3.77	4.22	1.53	13.0	1.34	1.26	1.62	0.730B	0.180B	28
29	0.530B		23.7 B	3.59	4.05	1.31	11.9	1.32	1.21	1.63	0.700B	0.180B	29
30	0.530B		19.4 B	3.21	4.41	1.25	29.6	1.30	1.16	1.63	0.680B	0.170B	30
31	0.530B		16.6 B		4.49		55.0	1.29		1.67		0.160B	31
TOTAL	16.850	13.950	323.590	132.17	511.32	115.91	328.310	376.32	35.832	37.82	35.030	11.120	TOTAL
MEAN	0.544	0.498	10.4	4.41	16.5	3.86	10.6	12.1	1.19	1.22	1.17	0.359	MEAN
MAX	0.550	0.570	32.3	15.0	69.1	10.1	55.0	67.7	1.36	1.67	1.73	0.660	MAX
MIN	0.530	0.480	0.400	2.36	2.65	1.25	0.652	1.29	0.966	1.06	0.680	0.160	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.31
MAXIMUM DAILY, 69.1 ON MAY 9
MINIMUM DAILY, 0.160B ON DEC 31
MAXIMUM INSTANTANEOUS,
71.8 AT 23:40 MST ON MAY 9

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 08 N
LONG 114 20 33 W
DRAINAGE AREA, 1 910 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 460	JUL	28 400
FEB	1 210	AUG	32 500
MAR	28 000	SEP	3 100
APR	11 400	OCT	3 270
MAY	44 200	NOV	3 030
JUN	10 000	DEC	961

TOTAL DISCHARGE, 168 000 dam³

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.070B	1.00	0.070	0.030E	0.025	0.015	0	0	0	---	1
2	---	---	0.070B	0.800	0.070	0.030E	0.025	0.015	0	0	0	---	2
3	---	---	0.070B	0.700	0.070	0.030A	0.025	0.015	0	0	0	---	3
4	---	---	0.070B	0.550	0.070	0.070	0.025	0.015	0	0	0	---	4
5	---	---	0.070B	0.550	0.070	0.100	0.025	0.015	0	0	---	---	5
6	---	---	0.070B	0.550	0.060A	0.090	0.025	0.015	0	0	---	---	6
7	---	---	0.070B	0.500	0.060E	0.080	0.025	0.015	0	0	---	---	7
8	---	---	0.070B	0.450	0.060E	0.060	0.025	0.015	0	0	---	---	8
9	---	---	0.150B	0.320	0.060E	0.050	0.025	0.015	0	0	---	---	9
10	---	---	0.750B	0.250	0.060E	0.040	0.025	0.015	0	0	---	---	10
11	---	---	1.30 B	0.180	0.060E	0.030	0.020	0.015	0	0	---	---	11
12	---	---	1.90 B	0.100	0.060E	0.030	0.020	0	0	0	---	---	12
13	---	---	1.90 B	0.100	0.060E	0.030	0.020	0	0	0	---	---	13
14	---	---	2.20 B	0.100	0.060E	0.030	0.020	0	0	0	---	---	14
15	---	---	2.80 B	0.100	0.060E	0.030	0.020	0	0	0	---	---	15
16	---	---	2.70 B	0.100	0.050E	0.030	0.020	0	0	0	---	---	16
17	---	---	2.80 B	0.100	0.050E	0.030	0.020	0	0	0	---	---	17
18	---	---	2.50 B	0.100	0.050E	0.030	0.020	0	0	0	---	---	18
19	---	---	2.20 B	0.100	0.050E	0.030	0.020	0	0	0	---	---	19
20	---	---	1.90 B	0.100	0.050E	0.030	0.020	0	0	0	---	---	20
21	---	---	1.60 B	0.090	0.050E	0.030	0.015	0	0	0	---	---	21
22	---	---	1.20 B	0.090	0.050E	0.030	0.015	0	0	0	---	---	22
23	---	---	1.00 B	0.090	0.050E	0.030	0.015	0	0	0	---	---	23
24	---	---	1.00	0.090	0.050E	0.030	0.015	0	0	0	---	---	24
25	---	---	1.00	0.090	0.050E	0.030	0.015	0	0	0	---	---	25
26	---	---	1.00	0.080	0.040E	0.030	0.015	0	0	0	---	---	26
27	---	---	1.00	0.080	0.040E	0.030	0.015	0	0	0	---	---	27
28	---	---	1.00	0.080	0.040E	0.030	0.015	0	0	0	---	---	28
29	---		1.00	0.080	0.040E	0.030	0.015	0	0	0	---	---	29
30	---		1.00	0.080	0.040E	0.030	0.015	0	0	0	---	---	30
31	---		1.00		0.040E		0.015	0		0		---	31
TOTAL	---	---	35.460	7.600	1.690	1.180	0.615	0.165	0	0	---	---	TOTAL
MEAN	---	---	1.14	0.253	0.055	0.039	0.020	0.005	0	0	---	---	MEAN
MAX	---	---	2.80	1.00	0.070	0.100	0.025	0.015	0	0	---	---	MAX
MIN	---	---	0.070	0.080	0.040	0.030	0.015	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.191
MAXIMUM DAILY, 2.80B ON MAR 15
MINIMUM DAILY, 0 ON AUG 12
MAXIMUM INSTANTANEOUS,
3.04B AT 12:40 MST ON MAR 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 33 10 N
LONG 112 24 40 W
DRAINAGE AREA, 1 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	53.1
FEB	---	AUG	14.3
MAR	3 060	SEP	0
APR	657	OCT	0
MAY	146	NOV	---
JUN	102	DEC	---

TOTAL DISCHARGE, 4 030 dam³

MICHELE RESERVOIR NEAR ELKWATER - STATION NO. 11AB091

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	302.375E	302.540E	302.580E	302.645E	302.675E	302.639E	302.419E	302.143E	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	302.453E	302.539E	302.601E	302.657E	302.676E	302.593E	302.308E	302.124E	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	302.671	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	302.309	---	---	---	---	---	302.548	---	---	---	---	25
26	---	---	302.542	302.556E	302.632	302.673E	---	---	302.195E	---	---	---	26
27	---	---	302.540E	---	302.634E	---	302.676E	302.524E	---	302.116	---	---	27
28	---	302.331E	---	---	---	---	302.674	---	---	---	---	---	28
29	---		---	302.563	---	---	---	---	302.158	---	---	---	29
30	---		---	302.567E	---	302.675E	---	---	302.154E	---	---	---	30
31	---		302.541E		302.639E		302.663E	302.480E		302.116E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 31 34 N
LONG 110 22 07 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.880B	0.208	0.004	0.019	0.089	4.20	0	0	0.001	---	1
2	---	---	0.950B	0.120	0.002	0.012	0.066	4.15	0	0	0 A	---	2
3	---	---	1.08 B	0.092	0.002	0.013	0.029	0.566	0	0	---	---	3
4	---	---	0.700B	0.078	0.002	0.015	0.019	0.245	0	0	---	---	4
5	---	---	0.680B	0.063	0.011	0.018	0.013	0.024	0	0	---	---	5
6	---	---	0.740B	0.051	0.872	0.021	0.007	0.144	0	0	---	---	6
7	---	---	1.70 B	0.038	0.220	0.028	0.006	0.120	0	0	---	---	7
8	---	---	0.982B	0.035	0.339	0.025	0.014	0.047	0	0	---	---	8
9	---	---	0.696B	0.029	0.314	0.026	0.006	0.018	0	0	---	---	9
10	---	---	0.853B	0.027	0.152	0.027	0.005	0.006	0	0	---	---	10
11	---	---	1.07 B	0.027	0.142	0.038	0.004	0.001	0	0.001	---	---	11
12	---	---	1.35 B	0.023	0.123	0.045	0.003	0	0	0.004	---	---	12
13	---	---	1.84 B	0.020	0.099	0.043A	0.002	0	0	0.001	---	---	13
14	---	---	1.60 B	0.019	0.079	0.040E	0.001	0	0	0	---	---	14
15	---	---	1.23 B	0.017	0.055	0.035E	0	0	0	0	---	---	15
16	---	---	0.922B	0.015	0.060	0.030E	0.012	0	0	0	---	---	16
17	---	---	0.666B	0.017	0.101	0.025E	0.003	0.006	0	0.001	---	---	17
18	---	---	0.466B	0.020	0.043	0.020E	0.001	0.010	0	0	---	---	18
19	---	---	0.523B	0.015	0.043	0.016E	0.001	0.002	0	0	---	---	19
20	---	---	0.380B	0.012	0.040	0.012E	0	0.001	0.003	0	---	---	20
21	---	---	0.300B	0.012	0.034	0.009E	0.008	0.002	0	0	---	---	21
22	---	---	0.250B	0.017	0.029	0.006E	0.001	0	0	0	---	---	22
23	---	---	0.229B	0.008	0.024	0.004E	0.001	0	0	0	---	---	23
24	---	---	0.101B	0.008	0.018	0.002E	0.021	0	0	0	---	---	24
25	---	---	0.357B	0.006	0.016	0.020E	0.007	0	0	0	---	---	25
26	---	---	0.608B	0.001	0.013	0.080E	0.002	0	0	0.002	---	---	26
27	---	---	0.370B	0.001	0.013	0.100E	0.001	0	0	0.002	---	---	27
28	---	---	0.567B	0.002	0.020	0.105E	0.001	0	0	0.002	---	---	28
29	---		0.383B	0.002	0.009	0.090E	0	0	0	0.013	---	---	29
30	---		0.497B	0.003	0.006	0.077A	0	0	0	0.004	---	---	30
31	---		0.310		0.017		0.116	0		0.002		---	31
TOTAL	---	---	23.280	0.986	2.902	1.001	0.439	9.542	0.003	0.032	---	---	TOTAL
MEAN	---	---	0.751	0.033	0.094	0.033	0.014	0.308	0	0.001	---	---	MEAN
MAX	---	---	1.84	0.208	0.872	0.105	0.116	4.20	0.003	0.013	---	---	MAX
MIN	---	---	0.101	0.001	0.002	0.002	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.156
MAXIMUM DAILY, 4.20 ON AUG 1
MINIMUM DAILY, 0 ON JUL 15
MAXIMUM INSTANTANEOUS,
8.83 AT 20:00 MST ON AUG 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 17 N
LONG 112 42 59 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	37.9
FEB	---	AUG	824
MAR	2 010	SEP	0.26
APR	85.2	OCT	2.76
MAY	251	NOV	---
JUN	86.5	DEC	---

TOTAL DISCHARGE, 3 300 dam³

MIDDLE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.091B	0.007	0.006	0.005	0.002	0.002	0.002	0.002	---	---	1
2	---	---	0.062B	0.007	0.006	0.004	0.001	0.002	0.001	0.002	---	---	2
3	---	---	0.036B	0.007	0.006	0.003	0.001	0.002	0.002	0.002	---	---	3
4	---	---	0.034B	0.007	0.007	0.003	0.001	0.002	0.002	0.002	---	---	4
5	---	---	0.034B	0.007	0.007	0.003	0.001	0.002	0.001	0.002	---	---	5
6	---	---	0.028	0.007	0.010	0.003	0.001	0.002	0.001	0.002	---	---	6
7	---	---	0.017	0.006	0.017	0.003	0.003	0.002	0.001	0.002	---	---	7
8	---	---	0.015	0.007	0.015	0.003	0.001	0.001	0.001	0.002	---	---	8
9	---	---	0.015	0.007	0.011	0.004	0.001	0.001	0.001	0.002	---	---	9
10	---	---	0.015	0.006	0.010	0.003	0.001	0.002	0.001	0.003	---	---	10
11	---	---	0.014	0.006	0.007	0.003	0.001	0.002	0.002	0.003	---	---	11
12	---	---	0.012	0.006	0.006	0.004	0.001	0.002	0.002	0.003	---	---	12
13	---	---	0.010	0.006	0.006	0.006	0.004	0.002	0.002	0.002	---	---	13
14	---	---	0.009	0.006	0.007	0.013	0.002	0.002	0.002	0.003	---	---	14
15	---	---	0.009	0.006	0.010	0.012	0.002	0.002	0.002	0.003	---	---	15
16	---	---	0.009	0.005	0.050	0.008	0.001	0.002	0.002	0.002	---	---	16
17	---	---	0.009	0.005	0.036	0.005	0.001	0.002	0.002	0.001	---	---	17
18	---	---	0.006	0.006	0.020	0.005	0.001	0.001	0.002	0.002	---	---	18
19	---	---	0.006	0.006	0.015	0.004	0.002	0.002	0.001	0.002	---	---	19
20	---	---	0.005	0.006	0.012	0.003	0.002	0.002	0.002	0.002	---	---	20
21	---	---	0.005	0.006	0.008	0.003	0.002	0.002	0.003	0.002	---	---	21
22	---	---	0.006	0.006	0.007	0.003	0.002	0.002	0.003	0.002	---	---	22
23	---	---	0.007	0.006	0.007	0.003	0.002	0.002	0.003	0.002	---	---	23
24	---	0.722B	0.007	0.006	0.007	0.003	0.003	0.002	0.003	0.002	---	---	24
25	---	0.804B	0.006	0.013	0.006	0.002	0.003	0.002	0.003	0.002	---	---	25
26	---	0.329B	0.006	0.011	0.006	0.002	0.003	0.002	0.003	0.002	---	---	26
27	---	0.184B	0.006	0.009	0.006	0.002	0.002	0.002	0.003	0.002	---	---	27
28	---	0.145B	0.008	0.007	0.005	0.002	0.002	0.001	0.003	0.002A	---	---	28
29	---		0.008	0.006	0.005	0.002	0.002	0.001	0.002	0.002E	---	---	29
30	---		0.009	0.006	0.005	0.001	0.002	0.001	0.002	0.002E	---	---	30
31	---		0.007		0.005		0.002	0.002		0.002E		---	31
TOTAL	---	---	0.511	0.202	0.331	0.120	0.055	0.056	0.060	0.066	---	---	TOTAL
MEAN	---	---	0.016	0.007	0.011	0.004	0.002	0.002	0.002	0.002	---	---	MEAN
MAX	---	---	0.091	0.013	0.050	0.013	0.004	0.002	0.003	0.003	---	---	MAX
MIN	---	---	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.091B ON MAR 1
MINIMUM DAILY, 0.001 ON JUN 30
MAXIMUM INSTANTANEOUS,
1.16B AT 09:06 CST ON FEB 25

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 29 N
LONG 110 03 09 W
DRAINAGE AREA, 305 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.75
FEB	---	AUG	4.84
MAR	44.2	SEP	5.18
APR	17.5	OCT	5.70
MAY	28.6	NOV	---
JUN	10.4	DEC	---

TOTAL DISCHARGE, 121 dam³

REMARKS - SIGNIFICANT RUNOFF OCCURRED OUTSIDE THE STANDARD PERIOD

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.056B	0.089E	0.112	0.109	0.021	0.008	---	---	1
2	---	---	---	---	0.041B	0.098E	0.123	0.106	0.021	0.008	---	---	2
3	---	---	---	---	0.035E	0.131A	0.123	0.102	0.020	0.007	---	---	3
4	---	---	---	---	0.036E	0.129	0.122	0.097	0.018	0.005	---	---	4
5	---	---	---	---	0.038E	0.135	0.123	0.090	0.017	0.005	---	---	5
6	---	---	---	---	0.033E	0.133	0.120	0.084	0.016	0.005	---	---	6
7	---	---	---	---	0.031E	0.127	0.114	0.080	0.015	0.005	---	---	7
8	---	---	---	---	0.030E	0.121	0.107	0.075	0.015E	0.007	---	---	8
9	---	---	---	---	0.029E	0.114	0.100	0.069	0.016E	0.008	---	---	9
10	---	---	---	---	0.029E	0.109	0.092	0.064	0.017	0.008	---	---	10
11	---	---	---	---	0.029E	0.104	0.087	0.061	0.016	0.008	---	---	11
12	---	---	---	---	0.029E	0.098	0.083	0.059	0.014	0.008	---	---	12
13	---	---	---	---	0.030E	0.095	0.082	0.056	0.012	0.009	---	---	13
14	---	---	---	---	0.032E	0.089	0.083	0.054	0.012	0.009	---	---	14
15	---	---	---	---	0.044E	0.086	0.084	0.051	0.011	0.009	---	---	15
16	---	---	---	---	0.039E	0.083	0.090	0.049	0.011	0.008	---	---	16
17	---	---	---	---	0.036E	0.083	0.106	0.047	0.010	0.008	---	---	17
18	---	---	---	---	0.042E	0.087	0.115	0.045	0.010	0.008A	---	---	18
19	---	---	---	---	0.048E	0.087	0.115	0.038	0.010	0.008E	---	---	19
20	---	---	---	---	0.056E	0.088	0.110	0.037	0.009	0.008E	---	---	20
21	---	---	---	---	0.065E	0.087	0.106	0.037	0.009	0.009E	---	---	21
22	---	---	---	---	0.076E	0.090	0.103	0.034	0.009	0.009E	---	---	22
23	---	---	---	---	0.089E	0.092	0.102	0.032	0.009	0.008E	---	---	23
24	---	---	---	---	0.103E	0.095	0.102	0.031	0.008	0.008E	---	---	24
25	---	---	---	---	0.120E	0.098	0.106	0.029	0.007	0.008E	---	---	25
26	---	---	---	---	0.108E	0.102	0.113	0.028	0.007	0.009E	---	---	26
27	---	---	---	---	0.110E	0.111	0.115	0.027	0.006	0.009E	---	---	27
28	---	---	---	---	0.094E	0.113	0.113	0.026	0.007	0.009E	---	---	28
29	---		---	---	0.082E	0.106	0.110	0.026	0.008	0.009E	---	---	29
30	---		---	---	0.077E	0.102	0.107	0.025	0.008	0.009E	---	---	30
31	---		---		0.082E		0.107	0.022		0.008E		---	31
TOTAL	---	---	---	---	1.749	3.082	3.275	1.690	0.369	0.244	---	---	TOTAL
MEAN	---	---	---	---	0.056	0.103	0.106	0.055	0.012	0.008	---	---	MEAN
MAX	---	---	---	---	0.120	0.135	0.123	0.109	0.021	0.009	---	---	MAX
MIN	---	---	---	---	0.029	0.083	0.082	0.022	0.006	0.005	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
0.139 AT 16:15 MST ON JUN 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 30 N
LONG 115 11 56 W
DRAINAGE AREA, 1.17 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	283
FEB	---	AUG	146
MAR	---	SEP	31.9
APR	---	OCT	21.1
MAY	151	NOV	---
JUN	266	DEC	---

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.008	0.006	0.004	0.005	0.046	0.246E	0.209	0.162	0.028	0.014	0.010	0.006	1
2	0.008	0.006	0.004	0.005	0.031	0.294A	0.236	0.151	0.028	0.014	0.010	0.006	2
3	0.008	0.006	0.004	0.005	0.033	0.331	0.228	0.142	0.026	0.013	0.009	0.006	3
4	0.008	0.006	0.004	0.005	0.032	0.343	0.224	0.128	0.026	0.012	0.009	0.006	4
5	0.008	0.006	0.004	0.005	0.028	0.335	0.219	0.114	0.025	0.012	0.008	0.006	5
6	0.008	0.005	0.004	0.005	0.025	0.312	0.202	0.100	0.024	0.012	0.009	0.006	6
7	0.008	0.005	0.004	0.005	0.022	0.269	0.181	0.095	0.023	0.012	0.008	0.006	7
8	0.008	0.005	0.004	0.005	0.021	0.235	0.155	0.084	0.022	0.012	0.008	0.005	8
9	0.008	0.005	0.004	0.005	0.020	0.201	0.133	0.077	0.022	0.011	0.008	0.005	9
10	0.007	0.005	0.004	0.005	0.020	0.174	0.117	0.070	0.021	0.011	0.008	0.005	10
11	0.007	0.005	0.004	0.005	0.020	0.158	0.104	0.064	0.020	0.011	0.008	0.005	11
12	0.007	0.005	0.004	0.005	0.020	0.141	0.095	0.062	0.019	0.011	0.008	0.005	12
13	0.007	0.005	0.004	0.005	0.024	0.151	0.096	0.058	0.019	0.011	0.008	0.005	13
14	0.007	0.005	0.005	0.005	0.037	0.156	0.120	0.054	0.018	0.011	0.008	0.005	14
15	0.007	0.004	0.005	0.005	0.044	0.168	0.127	0.053	0.018	0.011	0.008	0.005	15
16	0.007	0.004	0.005	0.006	0.040	0.179	0.152	0.054	0.017	0.011	0.008	0.005	16
17	0.007	0.004	0.005	0.006	0.038	0.176	0.175	0.046	0.017	0.011	0.007	0.005	17
18	0.007	0.004	0.005	0.007	0.063	0.170	0.187	0.043	0.016	0.010	0.008	0.005	18
19	0.007	0.004	0.005	0.011	0.105	0.163	0.178	0.042	0.016	0.010	0.007	0.005	19
20	0.006	0.004	0.005	0.015	0.127	0.158	0.161	0.043	0.016	0.010	0.008	0.005	20
21	0.006	0.004	0.005	0.015	0.265	0.157	0.151	0.042	0.016	0.010	0.007	0.005	21
22	0.006	0.004	0.005	0.013	0.327	0.155	0.142	0.039	0.015	0.010	0.007	0.005	22
23	0.006	0.004	0.005	0.018	0.383	0.156	0.146	0.037	0.015	0.010	0.007	0.005	23
24	0.006	0.004	0.005	0.020	0.427	0.158	0.153	0.035	0.015	0.010	0.007	0.004	24
25	0.006	0.004	0.005	0.016	0.466	0.162	0.170	0.033	0.014	0.010	0.006	0.004	25
26	0.006	0.004	0.005	0.014	0.531	0.173	0.177	0.032	0.014	0.010	0.006	0.004	26
27	0.006	0.004	0.005	0.014	0.402	0.193	0.176	0.030	0.014	0.010	0.007	0.004	27
28	0.006	0.004	0.005	0.015	0.274	0.187	0.166	0.029	0.014	0.010	0.006	0.004	28
29	0.006		0.005	0.016	0.231	0.169	0.171	0.028	0.014	0.010	0.006	0.004	29
30	0.006		0.005	0.029	0.217A	0.166	0.164	0.030	0.014	0.009	0.006	0.004	30
31	0.006		0.005		0.262E		0.167	0.028		0.009		0.004	31
TOTAL	0.214	0.131	0.142	0.290	4.581	6.036	5.082	2.005	0.566	0.338	0.230	0.154	TOTAL
MEAN	0.007	0.005	0.005	0.010	0.148	0.201	0.164	0.065	0.019	0.011	0.008	0.005	MEAN
MAX	0.008	0.006	0.005	0.029	0.531	0.343	0.236	0.162	0.028	0.014	0.010	0.006	MAX
MIN	0.006	0.004	0.004	0.005	0.020	0.141	0.095	0.028	0.014	0.009	0.006	0.004	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.054
MAXIMUM DAILY, 0.531 ON MAY 26
MINIMUM DAILY, 0.004 ON FEB 15
MAXIMUM INSTANTANEOUS,
0.613 AT 15:35 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 34 N
LONG 115 10 16 W
DRAINAGE AREA, 2.85 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18.5	JUL	439
FEB	11.3	AUG	173
MAR	12.3	SEP	48.9
APR	25.1	OCT	29.2
MAY	396	NOV	19.9
JUN	522	DEC	13.3

TOTAL DISCHARGE, 1 710 dam³

MIDDLE STREETER SPRING NO. 2 NEAR NANTON - STATION NO. 05AB035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0.005	0.004	0.002	0.001	0.001	0	0E	1
2	0	0	0	0	0	0.005	0.004	0.002	0.001	0.001	0	0E	2
3	0	0	0	0	0	0.004	0.003	0.002	0.001	0.001	0	0E	3
4	0	0	0	0	0	0.004	0.003	0.002	0.001	0.001	0	0E	4
5	0	0	0	0	0	0.004	0.003	0.002	0.001	0.001	0	0E	5
6	0	0	0	0	0	0.004	0.003	0.003	0.001	0.001	0	0E	6
7	0	0	0	0	0	0.004	0.003	0.003	0.001	0	0	0E	7
8	0	0	0	0	0	0.004	0.003	0.002	0.001	0	0	0E	8
9	0	0	0	0	0	0.004	0.003	0.002	0.001	0	0	0E	9
10	0	0	0	0	0	0.004	0.003	0.002	0.001	0	0	0E	10
11	0	0	0	0	0.001	0.003	0.003	0.002	0.001	0	0	0E	11
12	0	0	0	0	0.001	0.003	0.003	0.002	0.001	0	0	0E	12
13	0	0	0	0	0.001	0.003	0.003	0.002	0.001	0	0A	0E	13
14	0	0	0	0	0.001	0.004	0.003	0.002	0.001	0	0A	0E	14
15	0	0	0	0	0.002	0.004	0.003	0.002	0.001	0	0A	0E	15
16	0	0	0	0	0.002	0.004	0.003	0.002	0.001	0	0	0E	16
17	0	0	0	0	0.003	0.005	0.003	0.002	0.001	0	0	0E	17
18	0	0	0	0	0.003	0.005	0.003	0.002	0.001	0	0	0E	18
19	0	0	0	0	0.006	0.005	0.003	0.002	0.001	0	0	0E	19
20	0	0	0	0	0.007	0.005	0.003	0.002	0.001	0	0	0E	20
21	0	0	0	0	0.007	0.005	0.003	0.002	0.001	0	0	0E	21
22	0	0	0	0	0.007	0.005	0.003	0.002	0.001	0	0	0E	22
23	0	0	0	0	0.007	0.004	0.003	0.002	0.001	0	0	0E	23
24	0	0	0	0	0.007	0.004	0.003	0.002	0.001	0	0E	0E	24
25	0	0	0	0	0.007	0.004	0.002	0.002	0.001	0	0E	0E	25
26	0	0	0	0	0.006	0.004	0.002	0.002	0.001	0	0E	0E	26
27	0	0	0	0	0.006	0.004	0.002	0.002	0.001	0	0E	0E	27
28	0	0	0	0	0.006	0.004	0.002	0.001	0.001	0	0E	0E	28
29	0		0	0	0.006	0.004	0.002	0.001	0.001	0	0E	0E	29
30	0		0	0	0.005	0.004	0.002	0.001	0.001	0	0E	0E	30
31	0		0		0.005		0.002	0.001		0		0E	31
TOTAL	0	0	0	0	0.096	0.125	0.088	0.060	0.030	0.006	0	0	TOTAL
MEAN	0	0	0	0	0.003	0.004	0.003	0.002	0.001	0	0	0	MEAN
MAX	0	0	0	0	0.007	0.005	0.004	0.003	0.001	0.001	0	0	MAX
MIN	0	0	0	0	0	0.003	0.002	0.001	0.001	0	0	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.007 ON MAY 20
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.007 AT 14:25 MST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 18 N
LONG 114 03 12 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	7.60
FEB	0	AUG	5.18
MAR	0	SEP	2.59
APR	0	OCT	0.52
MAY	8.29	NOV	0
JUN	10.8	DEC	0

TOTAL DISCHARGE, 35.0 dam³

MIETTE RIVER NEAR JASPER - STATION NO. 07AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80 B	0.920B	0.980B	0.895B	2.75E	49.4	24.2	19.8	8.28	3.91	2.20E	1.65B	1
2	2.73 B	0.905B	0.960B	0.900B	3.05E	52.9	25.9	17.8	12.3	6.19	2.19E	1.65B	2
3	2.66 B	0.890B	0.935B	0.915B	3.40E	49.5	32.1	16.5	12.3	4.81	2.19E	1.64B	3
4	2.60 B	0.865B	0.910B	0.935B	3.75E	45.4	50.5	15.1	12.8	3.92	2.18E	1.64B	4
5	2.54 B	0.835B	0.885B	0.955B	4.05E	36.7	38.3	14.5	15.5	3.76	2.18E	1.64B	5
6	2.49 B	0.800B	0.865B	0.995B	4.70A	35.7	30.5	13.7	12.3	3.59	2.18E	1.64B	6
7	2.45 B	0.780B	0.850B	1.04 B	4.27	29.4	28.5	13.9	10.6	3.81	2.17E	1.64B	7
8	2.41 B	0.755B	0.850B	1.10 B	4.08	24.1	23.9	14.2	9.92	4.50	2.16E	1.63B	8
9	2.36 B	0.740B	0.855B	1.14 B	5.07	21.8	19.6	13.2	9.45	3.84	2.14E	1.63B	9
10	2.30 B	0.712B	0.865B	1.20 B	6.08	20.7	17.3	12.9	9.32	3.53	2.13E	1.63B	10
11	2.25 B	0.710B	0.870B	1.27 B	5.84	21.9	16.9	12.8	8.01	2.99	2.12E	1.63B	11
12	2.21 B	0.705B	0.880B	1.32 B	6.80	20.3	18.1	13.3	7.16	2.74	2.11E	1.63B	12
13	2.16 B	0.715B	0.890B	1.36 B	8.74	20.3	19.9	12.4	6.46	2.98	2.10E	1.62B	13
14	2.11 B	0.730B	0.895B	1.37 B	10.1	21.9	21.6	11.4	5.96	2.97	2.08E	1.62B	14
15	2.06 B	0.750B	0.900B	1.38 B	12.7	24.6	22.4	10.9	5.62	2.95	2.02B	1.62B	15
16	1.99 B	0.775B	0.900B	1.39 B	13.3	25.2	21.9	10.4	5.99	3.15	1.90B	1.62B	16
17	1.91 B	0.805B	0.900B	1.40 B	17.1	22.3	21.8	9.74	5.88	3.46	1.79B	1.62B	17
18	1.88 B	0.835B	0.895B	1.41 B	20.3	18.9	22.0	9.10	5.92	3.09	1.74B	1.62B	18
19	1.84 B	0.855B	0.895B	1.42 B	23.5	17.1	25.6	8.74	6.85	2.95	1.73B	1.62B	19
20	1.84 B	0.875B	0.890B	1.43 B	31.0	18.2	27.6	10.1	6.68	2.80A	1.72B	1.64B	20
21	1.86 B	0.900B	0.885B	1.46 E	42.3	17.8	28.0	13.6	5.60	2.49E	1.70B	1.62B	21
22	1.88 B	0.925B	0.875B	1.50 E	52.0	16.2	28.6	9.90	5.10	2.39E	1.70B	1.59B	22
23	1.88 B	0.950B	0.865B	1.53 E	55.8	15.9	26.0	8.75	4.76	2.33E	1.70B	1.58B	23
24	1.87 B	0.974B	0.855B	1.60 E	54.5	17.3	23.7	8.39	4.54	2.30E	1.70B	1.57B	24
25	1.81 B	0.990B	0.845B	1.68 E	56.3	17.6	20.6	8.42	4.29	2.28E	1.69B	1.56B	25
26	1.67 B	0.995B	0.845B	1.77 E	66.8	23.6	18.5	8.81	4.06	2.26E	1.68B	1.55B	26
27	1.43 B	0.995B	0.850B	1.88 E	57.3	23.7	18.6	8.64	3.87	2.25E	1.67B	1.54B	27
28	1.26 B	0.995B	0.855B	2.05 E	38.2	21.0	20.6	7.48	3.82	2.24E	1.66B	1.53B	28
29	1.11 B		0.865B	2.28 E	35.3	20.8	22.0	8.15	3.84	2.23E	1.65B	1.52B	29
30	1.05 B		0.875B	2.50 E	43.1	24.2	25.2	11.4	3.87	2.22E	1.65B	1.51B	30
31	0.965B		0.885B		48.5		21.3	8.82		2.21E		1.50B	31
TOTAL	62.375	23.681	27.370	42.075	740.68	774.4	761.7	362.84	221.05	97.14	57.83	49.70	TOTAL
MEAN	2.01	0.846	0.883	1.40	23.9	25.8	24.6	11.7	7.37	3.13	1.93	1.60	MEAN
MAX	2.80	0.995	0.980	2.50	66.8	52.9	50.5	19.8	15.5	6.19	2.20	1.65	MAX
MIN	0.965	0.705	0.845	0.895	2.75	15.9	16.9	7.48	3.82	2.21	1.65	1.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.82
MAXIMUM DAILY, 66.8 ON MAY 26
MINIMUM DAILY, 0.705B ON FEB 12
MAXIMUM INSTANTANEOUS,
69.3 AT 23:45 MST ON MAY 26

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 30 N
LONG 118 08 50 W
DRAINAGE AREA, 650 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 390	JUL	65 800
FEB	2 050	AUG	31 300
MAR	2 360	SEP	19 100
APR	3 640	OCT	8 390
MAY	64 000	NOV	5 000
JUN	66 900	DEC	4 290

TOTAL DISCHARGE, 278 000 dam³

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	7.05B	27.8	6.51	26.4	20.2	20.1	16.7	15.2	---	---	1
2	---	---	6.51B	27.0	6.37	25.9	19.4	19.0	16.4	12.4	---	---	2
3	---	---	5.97B	23.7	13.1	24.0	19.0	18.9	16.5	8.61	---	---	3
4	---	---	5.38B	21.3	21.7	24.1	22.3	19.1	17.0	5.75	---	---	4
5	---	---	5.10B	17.8	24.0	24.2	22.5	19.1	17.4	4.28	---	---	5
6	---	---	4.81B	15.5	26.1	24.4	22.3	18.8	17.2	3.48	---	---	6
7	---	---	4.76	15.5	28.6	24.6	23.6	18.3	16.9	2.97	---	---	7
8	---	---	4.56	16.0	29.4	25.5	16.9	18.0	16.7	2.55	---	---	8
9	---	---	3.99	16.0	24.8	27.8	16.3	17.1	16.1	2.24	---	---	9
10	---	---	3.54	15.6	25.9	28.9	17.6	17.4	15.5	2.12	---	---	10
11	---	---	3.20	15.5	25.3	28.9	18.6	17.3	15.1	3.11	---	---	11
12	---	---	5.52	16.9	25.5	30.0	18.8	16.9	15.2	3.23	---	---	12
13	---	---	10.6	17.7	24.7	31.1	21.9	16.5	15.3	3.31	---	---	13
14	---	---	12.5	16.9	25.0	32.8	22.5	16.1	15.4	3.03	---	---	14
15	---	---	13.9	16.3	26.1	30.9	21.0	16.1	15.7	2.69	---	---	15
16	---	---	15.0	15.7	30.0	41.1	20.5	16.1	16.0	2.46	---	---	16
17	---	---	20.1	15.7	31.7	47.3	20.9	16.3	16.1	2.35	---	---	17
18	---	---	22.7	16.0	48.4	34.5	21.4	17.0	15.9	2.15E	---	---	18
19	---	---	20.5	16.0	49.0	28.1	21.8	16.8	15.8	1.95E	---	---	19
20	---	---	18.3	16.0	35.7	26.8	22.3	16.7	15.9	1.95E	---	---	20
21	---	---	18.1	16.4	36.5	25.8	21.6	16.6	16.3	1.93E	---	---	21
22	---	---	15.6	14.4	42.2	24.4	22.5	15.9	16.7	1.93A	---	---	22
23	---	---	17.6	10.8	37.1	24.6	23.9	15.2	17.1	1.95E	---	---	23
24	---	---	19.3	8.86	42.2	23.9	21.7	15.7	16.6	2.01E	---	---	24
25	---	6.51B	19.3	8.21	43.9	22.8	22.9	16.2	16.9	2.07E	---	---	25
26	---	6.17B	19.6	7.59	41.1	22.0	22.4	16.1	16.9	2.12E	---	---	26
27	---	5.66B	20.0	7.22	34.3	22.5	22.6	15.8	16.7	2.07E	---	---	27
28	---	8.50B	21.3	6.82	30.0	22.4	24.2	15.8	16.4	2.01E	---	---	28
29	---		23.1	7.05	30.9	20.8	22.1	16.0	17.0	1.95A	---	---	29
30	---		25.8	6.71	29.4	19.9	21.7	16.9	16.6	1.93E	---	---	30
31	---		26.6		27.4		22.1	17.2		1.90E		---	31
TOTAL	---	---	420.29	452.96	922.88	816.4	657.5	529.0	490.0	107.70	---	---	TOTAL
MEAN	---	---	13.6	15.1	29.8	27.2	21.2	17.1	16.3	3.47	---	---	MEAN
MAX	---	---	26.6	27.8	49.0	47.3	24.2	20.1	17.4	15.2	---	---	MAX
MIN	---	---	3.20	6.71	6.37	19.9	16.3	15.2	15.1	1.90	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.9
MAXIMUM DAILY, 49.0 ON MAY 19
MINIMUM DAILY, 1.90E ON OCT 31
MAXIMUM INSTANTANEOUS,
60.6 AT 15:00 MDT ON MAY 18

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 05 N
LONG 110 28 15 W
DRAINAGE AREA, 6 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1917

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	56 800
FEB	---	AUG	45 700
MAR	36 300	SEP	42 300
APR	39 100	OCT	9 310
MAY	79 700	NOV	---
JUN	70 500	DEC	---

TOTAL DISCHARGE, 380 000 dam³

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.39 B	1.04 B	3.81B	22.9	17.2	24.4	20.6	18.5	17.1	5.20	1.60	0.944B	1
2	2.26 B	0.951B	3.40B	21.4	18.2	24.0	20.5	18.4	17.0	3.50	1.63	0.921B	2
3	2.14 B	0.867B	3.11B	17.3	17.5	24.0	20.4	18.4	16.9	2.60	1.61	0.900B	3
4	1.97 B	0.809B	2.83B	16.2	17.5	23.2	20.2	18.3	17.1	2.18	1.59	0.893B	4
5	1.80 B	0.750B	2.61B	17.1	18.6	22.8	20.0	18.2	17.1	1.90	1.56	0.893B	5
6	1.68 B	0.679B	2.40B	17 4	19.1	23.3	19.9	17.9	17.1	1.73	1.52	0.880B	6
7	1.54 B	0.640B	2.40B	17.1	19.0	23.4	19.7	17.9	16.9	1.68	1.58	0.867B	7
8	1.43 B	0.607B	2.61B	17.1	20.4	22.9	19.3	18.2	16.9	1.64	1.59	0.848B	8
9	1.32 B	0.568B	3 61B	17.0	22.0	23.0	19.5	18.4	16.9	1.55	1.60	0.841B	9
10	1.24 B	0.549B	5.41B	16.9	21.6	22.5	19.5	18.3	16.7	1.48	1.57	0.861B	10
11	1.14 B	0.542B	7.91B	16.8	19.8	22.3	19.5	18.2	16.7	1.60	1.56	0.861B	11
12	1.07 B	0.542B	11.6	16.7	18.8	22.1	19.5	18.1	16.8	1.62	1.52	0.841B	12
13	1.04 B	0.529B	12.0	16.8	18.0	24.3	19.4	18.1	16.8	1.59	1.51	0.822B	13
14	1.02 B	0.549B	13.9	16.5	17.4	32.4	19.4	18.2	16.8	1.61	1.55	0.770B	14
15	1.03 B	0.562B	16.4	16.1	17.7	49.6	19.6	18.5	16.7	1.62	1.53	0.731B	15
16	1.05 B	0.601B	16.6	15.5	30.3	33.0	19.7	18.6	16.9	1.62	1.55	0.672B	16
17	1.02 B	0.815B	18.0	14.9	57.6	26.1	20.1	18.5	16.7	1.65	1.61	0.620B	17
18	0.982B	2.40 B	16.8	14.7	39.0	24.1	20.0	18.5	17.0	1.64	1.64	0.542B	18
19	0.967B	5.01 B	14.7 B	11.5	30.7	22.6	20.1	17.8	17.4	1.67	1.32 B	0.483B	19
20	0.989B	6.69 B	14.8 B	7.73	30.9	22.2	19.7	17.0	17.5	1.62	1.19 B	0.439B	20
21	1.05 B	6.80 B	14.1 B	6.56	29.9	21.7	19.5	17.3	17.3	1.65	1.11 B	0.389B	21
22	1.20 B	6.41 B	15.4 B	6.33	36.6	21.2	19.8	17.5	17.3	1.63	1.06 B	0.351B	22
23	1.45 B	6.10 B	15.6 B	5.99	42.9	21.2	19.8	17.4	17.3	1.63	1.02 B	0.312B	23
24	1.76 B	5.67 B	17.0	5.81	38.8	21.2	20.3	17.2	17.2	1.63	1.00 B	0.269B	24
25	1.87 B	5.41 B	17.3	5.50	32.1	21.0	20.9	17.1	17.1	1.68	0.982B	0.231B	25
26	1.78 B	5.01 B	18.8	5.86	28.8	20.8	21.0	17.0	17.1	1.72	0.959B	0.212B	26
27	1.60 B	4.60 B	21.0	5.53	30.1	20.7	19.5	17.1	17.3	1.70	0.951B	0.180B	27
28	1.45 B	4.41 B	22.3	5.24	28.6	21.3	20.6	17.2	16.2	1.68	0.951B	0.169B	28
29	1.33 B		23.9	5.17	26.7	21.0	19.7	17.0	13.2	1.69	0.959B	0.151B	29
30	1.24 B		25.4	12.2	26.1	20.1	18.9	17.1	8.73	1.67	0.959B	0.140B	30
31	1.14 B		25.7		25.5		18.7	17.1		1.63		0.129B	31
TOTAL	43.948	70.110	391.40	391.82	817.4	722.4	615.3	553.0	497.73	58.01	40.781	18.162	TOTAL
MEAN	1.42	2.50	12.6	13.1	26.4	24.1	19.8	17.8	16.6	1.87	1.36	0.586	MEAN
MAX	2.39	6.80	25.7	22.9	57.6	49.6	21.0	18.6	17.5	5.20	1.64	0.944	MAX
MIN	0.967	0.529	2.40	5.17	17.2	20.1	18.7	17.0	8.73	1.48	0.951	0.129	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.6
MAXIMUM DAILY, 57.6 ON MAY 17
MINIMUM DAILY, 0.129B ON DEC 31
MAXIMUM INSTANTANEOUS,
59.7 AT 23:05 MST ON MAY 16

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 37 N
LONG 112 04 44 W
DRAINAGE AREA, 2 720 km²

B - ICE CONDITIONS

REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 800	JUL	53 200
FEB	6 060	AUG	47 800
MAR	33 800	SEP	43 000
APR	33 900	OCT	5 010
MAY	70 600	NOV	3 520
JUN	62 400	DEC	1 570

TOTAL DISCHARGE, 365 808 dam³

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.80 B	4.30	1.96	4.10	1.65	0.971	0.074	0.197	0.623	---	1
2	---	---	1.80 B	4.12	1.99	3.86	1.48	0.790	0.057	0.241	0.610A	---	2
3	---	---	1.60 B	3.09	2.03	3.73	1.35	0.671	0.057	0.246	---	---	3
4	---	---	1.30 B	2.56	2.02	3.42	1.22	0.661	0.059	0.242	---	---	4
5	---	---	1.00 B	2.30	2.14	3.11	1.10	0.600	0.070	0.243	---	---	5
6	---	---	0.900B	2.03	2.47	2.98	0.937	0.563	0.182	0.246	---	---	6
7	---	---	1.00 B	2.10	2.93	2.81	0.853	0.520	0.166	0.263	---	---	7
8	---	---	1.10 B	2.07	3.64	2.86	0.796	0.549	0.157	0.283	---	---	8
9	---	---	1.20 B	1.81	4.10	2.64	0.768	0.467	0.154	0.317	---	---	9
10	---	---	1.30 B	1.82	4.34	2.58	0.791	0.418	0.140	0.314	---	---	10
11	---	---	1.60 B	1.51	3.69	2.51	0.758	0.343	0.120	0.372	---	---	11
12	---	---	1.80 B	1.52	3.29	2.44	0.712	0.275	0.096	0.401	---	---	12
13	---	---	1.80 B	1.51	2.83	3.42	0.743	0.241	0.088	0.403	---	---	13
14	---	---	1.70 B	1.51	2.47	17.0	0.719	0.215	0.078	0.481	---	---	14
15	---	---	1.50 B	1.40	2.69	23.3	0.799	0.222	0.071	0.540	---	---	15
16	---	---	1.30 B	1.46	25.8	12.4	0.916	0.129	0.056	0.629	---	---	16
17	---	---	1.00 B	2.37	31.8	6.16	0.925	0.519	0.046	0.739	---	---	17
18	---	---	0.799B	3.14	13.3	4.32	0.957	0.445	0.036	0.772	---	---	18
19	---	---	0.700B	2.97	10.3	3.60	0.934	0.286	0.032	0.687	---	---	19
20	---	---	0.700B	2.78	11.2	3.17	0.824	0.225	0.026	0.649	---	---	20
21	---	---	0.799B	2.67	12.3	2.88	0.723	0.153	0.022	0.589	---	---	21
22	---	---	1.00 B	2.81	21.1	2.66	0.663	0.153	0.019	0.547	---	---	22
23	---	---	1.30 B	2.96	19.6	2.71	0.608	0.183	0.015	0.597	---	---	23
24	---	2.49B	1.73	2.73	14.7	2.46	0.583	0.162	0.012	0.668	---	---	24
25	---	2.20B	1.88	2.84	9.91	2.23	0.635	0.189	0.013	0.686	---	---	25
26	---	2.00B	2.53	2.93	9.56	2.04	1.28	0.193	0.016	0.713	---	---	26
27	---	1.90B	3.61	2.70	10.8	1.90	3.60	0.159	0.017	0.735	---	---	27
28	---	1.80B	3.41	2.33	7.30	1.74	2.62	0.143	0.021	0.741	---	---	28
29	---		4.05	2.08	5.73	1.71	1.81	0.112	0.057	0.729	---	---	29
30	---		5.64	2.01	5.05	1.77	1.38	0.097	0.141	0.691	---	---	30
31	---		5.08		4.53		1.12	0.087		0.653		---	31
TOTAL	---	---	56.928	72.43	255.57	132.51	34.254	10.741	2.098	15.614	---	---	TOTAL
MEAN	---	---	1.84	2.41	8.24	4.42	1.10	0.346	0.070	0.504	---	---	MEAN
MAX	---	---	5.64	4.30	31.8	23.3	3.60	0.971	0.182	0.772	---	---	MAX
MIN	---	---	0.700	1.40	1.96	1.71	0.583	0.087	0.012	0.197	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.37
MAXIMUM DAILY, 31.8 ON MAY 17
MINIMUM DAILY, 0.012 ON SEP 24
MAXIMUM INSTANTANEOUS,
39.9 AT 00:50 MST ON MAY 17

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 112 32 40 W
DRAINAGE AREA, 1 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 960
FEB	---	AUG	928
MAR	4 920	SEP	181
APR	6 260	OCT	1 350
MAY	22 100	NOV	---
JUN	11 400	DEC	---

TOTAL DISCHARGE, 50 100 dam³

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.66	27.6	21.7	19.9	16.1	12.4 E	1.77	---	1
2	---	---	---	---	11.2	25.4	20.9	19.5	15.5	10.2 E	1.76	---	2
3	---	---	---	---	15.6	24.8	21.7	19.4	15.8	8.00E	1.72A	---	3
4	---	---	---	---	15.8	24.4	21.9	19.3	16.4	6.00E	---	---	4
5	---	---	---	---	16.1	23.3	21.6	19.3	16.5	4.00E	---	---	5
6	---	---	---	---	17.5	23.6	21.8	19.2	16.6	3.49A	---	---	6
7	---	---	---	---	20.5	22.9	22.7	18.9	16.5	3.07	---	---	7
8	---	---	---	---	21.9	23.1	20.3	18.4	16.2	2.83	---	---	8
9	---	---	---	---	21.9	23.5	19.2	18.5	16.0	2.60	---	---	9
10	---	---	---	---	23.0	23.2	19.9	18.5	15.8	2.45	---	---	10
11	---	---	---	---	23.5	23.5	20.5	18.4	15.7	3.03	---	---	11
12	---	---	---	---	21.3	23.4	20.9	18.1	15.6	2.91	---	---	12
13	---	---	---	---	19.2	23.8	24.4	18.1	15.3	2.47	---	---	13
14	---	---	---	16.7 A	17.7	27.4	23.8	17.6	15.3	2.33	---	---	14
15	---	---	---	16.9	16.9	32.3	20.8	17.7	15.2	2.20	---	---	15
16	---	---	---	16.4	18.4	55.1	20.8	17.9	15.1	2.05	---	---	16
17	---	---	---	15.9	25.7	40.5	21.3	17.9	14.9	1.96	---	---	17
18	---	---	---	15.0	61.0	28.9	21.6	17.9	15.0	1.88	---	---	18
19	---	---	---	14.3	44.2	23.8	21.5	17.6	15.0	1.91	---	---	19
20	---	---	---	14.1	38.9 A	24.2	20.5	17.1	15.5	1.91	---	---	20
21	---	---	---	11.6	35.0 E	23.1	20.3	16.6	15.9	1.86	---	---	21
22	---	---	---	8.76	37.2 E	21.8	22.4	16.2	16.0	1.98	---	---	22
23	---	---	---	7.55	35.5 E	21.3	20.0	16.4	15.6	2.01	---	---	23
24	---	---	---	7.14	48.0 E	21.0	21.0	16.5	16.2	1.99	---	---	24
25	---	---	---	6.65	43.0 E	20.9	21.0	16.5	16.6	2.10	---	---	25
26	---	---	---	6.49	36.8 A	20.8	21.7	16.3	16.6	2.05	---	---	26
27	---	---	---	6.24	32.2	20.8	23.1	16.2	16.1	1.95	---	---	27
28	---	---	---	6.39	31.4	20.9	22.0	16.1	16.8	1.95	---	---	28
29	---		---	5.94	32.0	21.4	21.3	16.3	16.3	1.91	---	---	29
30	---		---	5.88	29.6	21.7	22.3	16.4	14.6	1.85	---	---	30
31	---		---		28.0		20.3	16.3		1.78			31
TOTAL	---	---	---	---	844.66	758.4	663.2	549.0	474.7	99.12	---	---	TOTAL
MEAN	---	---	---	---	27.2	25.3	21.4	17.7	15.8	3.20	---	---	MEAN
MAX	---	---	---	---	61.0	55.1	24.4	19.9	16.8	12.4	---	---	MAX
MIN	---	---	---	---	5.66	20.8	19.2	16.1	14.6	1.78	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.4
MAXIMUM DAILY, 61.0 ON MAY 18
MINIMUM DAILY, 1.78 ON OCT 31
MAXIMUM INSTANTANEOUS,
67.8 AT 08:00 MST ON MAY 18

SUMMARY FOR THE MONTHS MAY TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 25 N
LONG 110 52 15 W
DRAINAGE AREA, 6 030 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	57 300
FEB	---	AUG	47 400
MAR	---	SEP	41 000
APR	---	OCT	8 560
MAY	73 000	NOV	---
JUN	65 500	DEC	---

TOTAL DISCHARGE, 293 000 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	16.7	27.3	21.4	20.0	16.6	8.30	1.79	---	1
2	---	---	---	---	19.8	26.5	21.3	19.8	16.7	5.09	1.75	---	2
3	---	---	---	---	20.1	26.2	20.9	19.7	16.8	3.67	1.76A	---	3
4	---	---	---	---	19.5	25.1	20.3	19.5	16.7	2.81	---	---	4
5	---	---	---	---	20.0	24.6	19.9	19.5	16.8	2.29	---	---	5
6	---	---	---	---	21.7	24.6	19.4	19.3	16.8	1.96	---	---	6
7	---	---	---	---	21.7	25.0	19.0	18.9	16.6	1.78	---	---	7
8	---	---	---	---	23.5	25.0	18.6	19.2	16.4	1.76	---	---	8
9	---	---	---	---	24.6	25.1	19.1	19.3	16.3	1.70	---	---	9
10	---	---	---	---	25.4	24.9	19.4	19.1	16.2	1.66	---	---	10
11	---	---	---	---	23.4	24.5	19.5	18.9	16.1	1.86	---	---	11
12	---	---	---	---	21.7	24.1	20.1	18.5	16.1	1.89	---	---	12
13	---	---	---	---	20.6	26.2	21.1	18.4	16.0	1.88	---	---	13
14	---	---	---	18.7 A	19.9	31.7	20.3	18.2	16.1	1.82	---	---	14
15	---	---	---	18.2	19.7	49.6	20.5	18.2	15.7	1.79	---	---	15
16	---	---	---	17.7	22.2	44.3	20.4	18.3	15.9	1.87	---	---	16
17	---	---	---	17.0	52.4	33.0	20.7	18.1	15.7	1.85	---	---	17
18	---	---	---	16.7	50.0	29.2	20.6	18.2	15.8	1.84	---	---	18
19	---	---	---	15.9	36.3	26.9	20.3	17.9	15.9	1.83	---	---	19
20	---	---	---	12.0	32.5	25.7	20.2	17.1	16.2	1.90	---	---	20
21	---	---	---	8.62	35.2	25.3	19.8	16.8	16.5	1.93	---	---	21
22	---	---	---	7.03	33.4	25.0	20.3	17.1	16.3	1.88	---	---	22
23	---	---	---	6.77	44.2	25.0	20.8	17.1	16.3	1.94	---	---	23
24	---	---	---	6.40	43.5	24.8	21.1	17.0	16.5	1.91	---	---	24
25	---	---	---	6.32	37.1	24.5	21.9	16.8	16.5	1.93	---	---	25
26	---	---	---	6.16	31.1	23.8	23.1	16.8	16.4	1.89	---	---	26
27	---	---	---	6.50	30.5	23.4	21.7	16.7	16.8	1.88	---	---	27
28	---	---	---	6.08	31.6	23.2	21.7	16.9	16.6	1.87	---	---	28
29	---		---	6.01	29.2	23.0	21.9	16.8	14.8	1.85	---	---	29
30	---		---	6.50	28.4	21.9	20.6	16.7	11.9	1.84	---	---	30
31	---		---		28.5		20.2	16.6		1.82			31
TOTAL	---	---	---	---	884.4	809.4	636.1	561.4	484.0	70.29	---	---	TOTAL
MEAN	---	---	---	---	28.5	27.0	20.5	18.1	16.1	2.27	---	---	MEAN
MAX	---	---	---	---	52.4	49.6	23.1	20.0	16.8	8.30	---	---	MAX
MIN	---	---	---	---	16.7	21.9	18.6	16.6	11.9	1.66	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.7
MAXIMUM DAILY, 52.4 ON MAY 17
MINIMUM DAILY, 1.66 ON OCT 10
MAXIMUM INSTANTANEOUS,
61.8 AT 13:05 MST ON MAY 17

SUMMARY FOR THE MONTHS MAY TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 18 N
LONG 111 32 05 W
DRAINAGE AREA, 4 380 km²
A - MANUAL GAUGE

REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	55 000
FEB	---	AUG	48 500
MAR	---	SEP	41 800
APR	---	OCT	6 070
MAY	76 400	NOV	---
JUN	69 900	DEC	---

TOTAL DISCHARGE, 298 000 dam³

MILK RIVER RIDGE RESERVOIR - STATION NO. 05AF030

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1021.224	1021.268	1021.573	1022.284	1022.025	1022.016	1021.948	1022.024	1022.461	---	1
2	---	---	1021.228	1021.268	1021.717A	1022.294	1022.041	1022.046	1021.939	1022.120	1022.461	---	2
3	---	---	1021.235	1021.268	1021.770A	1022.310	1022.031	1022.068	1021.970	1022.208	1022.458	---	3
4	---	---	1021.239	1021.270	1021.880A	1022.326	1022.026	1022.092	1021.994	1022.240	1022.448A	---	4
5	---	---	1021.231	1021.268	1021.940A	1022.361	1022.025	1022.145	1021.957	1022.248	---	---	5
6	---	---	1021.234	1021.261	1021.990A	1022.391	1022.021	1022.166	1021.921	1022.198	---	---	6
7	---	---	1021.227	1021.263	1022.050A	1022.415	1021.990	1022.157	1021.873	1022.167	---	---	7
8	---	---	1021.231	1021.259	1022.120A	1022.435	1021.942	1022.146	1021.819	1022.148	---	---	8
9	---	---	1021.234	1021.247	1022.190A	1022.460	1021.926	1022.129	1021.768	1022.031	---	---	9
10	---	---	1021.233	1021.247	1022.260A	1022.481	1021.920	1022.109	1021.716	1021.909	---	---	10
11	---	---	1021.235	1021.246	1022.300A	1022.468	1021.911	1022.089	1021.659	1021.873	---	---	11
12	---	---	1021.228	1021.242	1022.350A	1022.417	1021.904	1022.069	1021.606	1021.879	---	---	12
13	---	---	1021.231	1021.242	1022.370A	1022.446	1021.895	1022.048	1021.552	1021.894	---	---	13
14	---	---	1021.232	1021.243	1022.380A	1022.585	1021.888	1022.030	1021.530	1021.915	---	---	14
15	---	---	1021.226	1021.250	1022.370A	1022.680	1021.875	1022.023	1021.569	1021.933	---	---	15
16	---	---	1021.222	1021.227	1022.360A	1022.744	1021.872	1022.023	1021.612	1021.942	---	---	16
17	---	---	1021.230	1021.227	1022.570A	1022.727	1021.870	1022.024	1021.661	1021.952	---	---	17
18	---	---	1021.241	1021.239	1022.600A	1022.692	1021.863	1022.028	1021.699	1021.962	---	---	18
19	---	---	1021.232	1021.219	1022.580A	1022.648	1021.847	1022.029	1021.724	1021.985	---	---	19
20	---	---	1021.226	1021.213	1022.570A	1022.587	1021.829	1022.025	1021.754	1022.040	---	---	20
21	---	---	1021.225	1021.210	1022.560A	1022.514	1021.817	1022.021	1021.779	1022.242	---	---	21
22	---	---	1021.230	1021.211	1022.540A	1022.400	1021.812	1022.025	1021.808	1022.369	---	---	22
23	---	---	1021.231	1021.216	1022.540A	1022.223	1021.805	1022.024	1021.835	1022.415	---	---	23
24	---	---	1021.232	1021.226	1022.530A	1022.088	1021.798	1022.025	1021.863	1022.432	---	---	24
25	---	1021.231A	1021.230	1021.198	1022.520A	1022.020	1021.859	1022.023	1021.887	1022.446	---	---	25
26	---	1021.223	1021.230	1021.198	1022.500A	1021.946	1021.907	1022.020	1021.919	1022.451	---	---	26
27	---	1021.217	1021.241	1021.203	1022.417A	1021.926	1021.930	1022.015	1021.938	1022.454	---	---	27
28	---	1021.219	1021.241	1021.227	1022.377	1021.947	1021.938	1022.007	1021.952	1022.455	---	---	28
29	---		1021.242	1021.310	1022.312	1021.971	1021.938	1021.996	1021.973	1022.456	---	---	29
30	---		1021.258	1021.458	1022.277	1022.000	1021.930	1021.977	1021.995	1022.452	---	---	30
31	---		1021.268		1022.266		1021.969	1021.968		1022.453		---	31
MEAN	---	---	1021.234	1021.247	1022.286	1022.360	1021.916	1022.050	1021.807	1022.171	---	---	MEAN
MAX	---	---	1021.268	1021.458	1022.600	1022.744	1022.041	1022.166	1021.995	1022.456	---	---	MAX
MIN	---	---	1021.222	1021.198	1021.573	1021.926	1021.798	1021.968	1021.530	1021.873	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 1022.744 ON JUN 16

MAXIMUM INSTANTANEOUS,
1022.778 AT 11:55 MST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 58 N
LONG 112 35 12 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO ST. MARY RIVER IRRIGATION DISTRICT DATUM
APPLY 9.741 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.37	4.37	10.5	4.38	1.94	0.892	0.536	---	---	1
2	---	---	---	1.28	5.65	8.77	4.05	1.98	0.950	0.531	---	---	2
3	---	---	---	1.24	4.37	8.26	3.70	2.00	0.910	0.538	---	---	3
4	---	---	---	1.23	3.75	7.60	3.55	2.00	0.873	0.528	---	---	4
5	---	---	---	1.25	3.80	6.79	3.48	2.02	0.837	0.523	---	---	5
6	---	---	---	1.24	3.61	6.37	3.37	1.91	0.820	0.519	---	---	6
7	---	---	---	1.17	3.34	6.02	3.17	1.83	0.769	0.515	---	---	7
8	---	---	---	1.16	4.16	5.30	2.75	1.80	0.726	0.510	---	---	8
9	---	---	---	1.15	4.31	4.68	2.32	1.74	0.686	0.503	---	---	9
10	---	---	---	1.09	4.48	4.27	2.11	1.67	0.675	0.493	---	---	10
11	---	---	0.797B	1.08	4.38	3.88	2.21	1.61	0.667	0.533	---	---	11
12	---	---	---	1.09	3.92	3.86	1.97	1.54	0.664	0.557	---	---	12
13	---	---	---	1.04	3.71	14.7	2.05	1.48	0.650	0.522	---	---	13
14	---	---	---	1.05	3.92	15.0	1.98	1.51	0.641	0.523	---	---	14
15	---	---	---	1.20	11.5	12.0	1.91	1.48	0.639	0.527	---	---	15
16	---	---	---	1.47	11.0	13.3	1.97	1.33	0.627	0.521	---	---	16
17	---	---	---	1.49	9.24	12.2	2.00	1.36	0.612	0.520	---	---	17
18	---	---	---	1.53	14.2	10.1	1.92	1.23	0.596	0.499	---	---	18
19	---	---	---	1.61	22.3	8.25	1.89	1.16	0.582	0.480	---	---	19
20	---	---	---	1.73	24.1	7.55	1.90	1.11	0.582	0.496	---	---	20
21	---	---	---	2.03	27.0	6.93	1.91	1.23	0.613	0.507	---	---	21
22	---	---	---	1.92	51.8 A	6.15	1.92	1.22	0.577	0.509	---	---	22
23	---	---	---	2.18	72.4 E	5.50	1.87	1.16	0.572	0.482	---	---	23
24	---	---	0.998A	2.97	36.0 E	5.02	2.02	1.11	0.572	0.461	---	---	24
25	---	---	1.29	2.58	23.4 A	4.77	4.57	1.07	0.587	0.462	---	---	25
26	---	---	1.18	2.18	22.1	4.81	3.49	1.03	0.609	0.454	---	---	26
27	---	---	1.20	1.97	18.5	5.44	2.46	0.988	0.584	0.445A	---	---	27
28	---	---	1.22	1.91	15.5	5.10	2.22	0.927	0.569	0.430E	---	---	28
29	---		1.49	1.93	12.8	4.50	2.07	0.908	0.559	0.420E	---	---	29
30	---		1.53	2.36	11.9	4.22	1.96	0.906	0.550	0.410E	---	---	30
31	---		1.42		11.4		1.96	0.923		0.400E		---	31
TOTAL	---	---	---	47.50	452.91	221.84	79.13	48.172	20.190	15.354	---	---	TOTAL
MEAN	---	---	---	1.58	14.6	7.39	2.55	1.42	0.673	0.495	---	---	MEAN
MAX	---	---	---	2.97	72.4	15.0	4.57	2.02	0.950	0.557	---	---	MAX
MIN	---	---	---	1.04	3.34	3.86	1.87	0.906	0.550	0.400	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.12
MAXIMUM DAILY, 72.4E ON MAY 23
MINIMUM DAILY, 0.400E ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 10 N
LONG 114 08 00 W
DRAINAGE AREA, 179 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 6 840	
FEB	---	AUG 3 820	
MAR	---	SEP 1 740	
APR 4 100		OCT 1 330	
MAY 39 100		NOV ---	
JUN 19 200		DEC ---	

TOTAL DISCHARGE, 76 100 dam³

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.075	0.002	0.026	0.008	0	0	0	0	---	1
2	---	---	0	0.030	0.001	0.018	0.005	0	0	0	0	---	2
3	---	---	0	0.012	0.001	0.015	0.004	0	0	0	0A	---	3
4	---	---	0	0.003	0	0.013	0.003	0	0	0	---	---	4
5	---	---	0	0	0	0.009	0.001	0	0	0	---	---	5
6	---	---	0	0	0.001	0.008	0	0	0	0	---	---	6
7	---	---	0	0	0.001	0.007	0.002	0	0	0	---	---	7
8	---	---	0	0	0.002	0.006	0	0	0	0	---	---	8
9	---	---	0.001	0	0.013	0.005	0	0	0	0	---	---	9
10	---	---	0.002	0	0.182	0.005	0	0	0	0	---	---	10
11	---	---	0.001	0	0.151	0.005	0	0	0	0	---	---	11
12	---	---	0.001	0	0.136	0.004	0	0	0	0	---	---	12
13	---	---	0.001	0.001	0.112	0.005	0.001	0	0	0	---	---	13
14	---	---	0	0.001	0.088	0.026	0.001	0	0.001	0	---	---	14
15	---	---	0.001	0.001	0.067	0.088	0.006	0	0.001	0	---	---	15
16	---	---	0.001	0.001	0.070	0.071	0.015	0	0	0	---	---	16
17	---	---	0.002	0.001	0.156	0.056	0.014	0	0.001	0	---	---	17
18	---	---	0.001	0.001	0.181	0.055	0.013	0	0.001	0	---	---	18
19	---	---	0	0.001	0.134	0.048	0.011	0	0.001	0	---	---	19
20	---	---	0	0.001	0.076	0.036	0.008	0	0.001	0	---	---	20
21	---	---	0	0.001	0.158	0.031	0.006	0	0.002	0	---	---	21
22	---	---	0	0.002	0.292	0.029	0.005	0	0	0	---	---	22
23	---	---	0.001	0.002	0.168	0.032	0.005	0	0	0.001	---	---	23
24	---	0.001A	0.001	0.002	0.137	0.028	0.006	0	0	0.001	---	---	24
25	---	0	0.001	0.001	0.105	0.026	0.007	0	0	0	---	---	25
26	---	0	0.001	0.002	0.079	0.022	0.009	0	0	0.001	---	---	26
27	---	0	0.001	0.002	0.057	0.020	0.008	0	0	0	---	---	27
28	---	0	0.001	0.001	0.041	0.025	0.006	0	0	0	---	---	28
29	---		0.001	0.001	0.029	0.021	0.005	0	0	0	---	---	29
30	---		0.001	0.001	0.025	0.013	0.003	0	0	0	---	---	30
31	---		0.064		0.024		0.001	0		0			31
TOTAL	---	---	0.083	0.143	2.489	0.751	0.153	0	0.008	0.003	---	---	TOTAL
MEAN	---	---	0.003	0.005	0.080	0.025	0.005	0	0	0	---	---	MEAN
MAX	---	---	0.064	0.075	0.292	0.088	0.015	0	0.002	0.001	---	---	MAX
MIN	---	---	0	0	0	0.004	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.292 ON MAY 22
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.356 AT 09:40 MST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 05 N
LONG 111 24 10 W
DRAINAGE AREA, 109 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13.2
FEB	---	AUG	0
MAR	7.17	SEP	0.69
APR	12.4	OCT	0.26
MAY	215	NOV	---
JUN	64.9	DEC	---

TOTAL DISCHARGE, 318 dam³

MINISTIK LAKE NEAR NEW SAREPTA - STATION NO. 05EB013

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	757.010	756.934	756.864	756.900	756.786	756.734	756.736	---	1
2	---	---	---	---	757.011	756.929	756.855	756.897	756.790	756.735	756.735	---	2
3	---	---	---	---	757.006	756.942	756.852	756.895	756.775	756.731	756.735	---	3
4	---	---	---	---	757.000	756.940	756.849	756.890	756.774	756.731	756.751	---	4
5	---	---	---	---	756.993	756.927	756.842	756.887	756.775	756.726	---	---	5
6	---	---	---	---	757.000	756.923	756.848	756.885	756.776	756.721	---	---	6
7	---	---	---	---	757.001	756.919	756.868	756.881	756.771	756.722	---	---	7
8	---	---	---	---	756.999	756.914	756.882	756.875	756.768	756.746	---	---	8
9	---	---	---	---	756.991	756.914	756.869	756.869	756.766	756.748	---	---	9
10	---	---	---	---	756.993	756.908	756.865	756.864	756.766	756.746	---	---	10
11	---	---	---	---	756.991	756.905	756.861	756.860	756.757	756.746	---	---	11
12	---	---	---	---	756.990	756.906	756.858	756.856	756.754	756.744	---	---	12
13	---	---	---	---	756.985	756.905	756.855	756.849	756.750	756.748	---	---	13
14	---	---	---	---	756.983	756.902	756.874	756.840	756.749	756.744	---	---	14
15	---	---	---	---	756.976	756.899	756.889	756.838	756.740	756.743	---	---	15
16	---	---	---	---	756.972	756.907	756.887	756.837	756.732	756.752	---	---	16
17	---	---	---	---	756.966	756.904	756.883	756.830	756.733	756.745	---	---	17
18	---	---	---	---	756.970	756.897	756.879	756.827	756.731	756.738	---	---	18
19	---	---	---	---	756.969	756.894	756.877	756.820	756.736	756.753	---	---	19
20	---	---	---	---	756.972	756.892	756.874	756.817	756.749	756.751	---	---	20
21	---	---	---	---	756.969	756.899	756.871	756.813	756.737	756.736	---	---	21
22	---	---	---	---	756.960	756.889	756.877	756.810	756.744	756.737	---	---	22
23	---	---	---	---	756.951	756.891	756.890	756.805	756.744	756.741	---	---	23
24	---	---	---	---	756.944	756.892	756.884	756.799	756.742	756.737	---	---	24
25	---	---	---	---	756.940	756.881	756.874	756.791	756.743	756.735	---	---	25
26	---	---	---	---	756.943	756.883	756.868	756.784	756.742	756.753	---	---	26
27	---	---	---	---	756.942	756.875	756.867	756.780	756.731	756.737	---	---	27
28	---	---	---	---	756.941	756.869	756.869	756.781	756.729	756.738	---	---	28
29	---		---	---	756.934	756.863	756.875	756.779	756.732	756.738	---	---	29
30	---		---	757.004	756.928	756.862	756.903	756.798	756.730	756.737	---	---	30
31	---		---		756.933		756.897	756.786		756.737		---	31
MEAN	---	---	---	---	756.973	756.902	756.871	756.837	756.752	756.740	---	---	MEAN
MAX	---	---	---	---	757.011	756.942	756.903	756.900	756.790	756.753	---	---	MAX
MIN	---	---	---	---	756.928	756.862	756.842	756.779	756.729	756.721	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 47 N
LONG 113 03 20 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MIQUELON LAKE AT PROVINCIAL PARK - STATION NO. 05EB014

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	762.290	---	4
5	---	---	762.527	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	762.503	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	762.418	---	---	---	---	21
22	---	---	---	---	---	---	762.467	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	762.607	---	---	---	---	762.312	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 14 42 N
LONG 112 53 25 W

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.960B	0.620B	0.565B	0.512B	2.00E	19.7	10.4	23.7	11.9	3.95	1.68E	1.22 B	1
2	1.00 B	0.595B	0.560B	0.510B	2.75E	19.9	11.7	20.6	11.7	4.44	1.65E	1.20 B	2
3	1.02 B	0.575B	0.558B	0.508B	3.60E	20.9	13.3	19.4	10.2	4.36	1.63E	1.19 B	3
4	1.04 B	0.550B	0.556B	0.506B	4.14A	20.1	18.1	18.3	8.92	3.95	1.60E	1.18 B	4
5	1.04 B	0.530B	0.555B	0.504B	3.84	17.2	22.9	17.4	8.34	3.70	1.58E	1.18 B	5
6	1.03 B	0.515B	0.553B	0.502B	3.54	15.8	25.4	17.2	7.84	3.42	1.55E	1.17 B	6
7	1.00 B	0.500B	0.550B	0.501B	3.37	14.6	23.2	18.0	7.66	3.21	1.53E	1.17 B	7
8	0.980B	0.490B	0.548B	0.501B	3.39	12.9	19.8	20.8	8.08	3.09	1.50E	1.16 B	8
9	0.960B	0.485B	0.545B	0.500B	3.54	11.7	14.6	20.9	10.8	2.99	1.48E	1.16 B	9
10	0.945B	0.475B	0.542B	0.500B	3.66	10.6	11.5	20.6	12.4	2.87	1.46E	1.15 B	10
11	0.940B	0.480B	0.541B	0.500B	3.75	9.80	11.1	20.9	11.6	2.73	1.43E	1.15 B	11
12	0.950B	0.485B	0.540B	0.498B	3.76	9.13	11.8	21.8	11.5	2.62	1.42E	1.14 B	12
13	0.971B	0.490B	0.540B	0.496B	3.84	8.76	12.7	22.9	11.0	2.52	1.40E	1.14 B	13
14	0.970B	0.500B	0.539B	0.495B	3.97	8.52	25.7	23.0	9.83	2.44	1.39E	1.13 B	14
15	0.965B	0.505B	0.539B	0.488B	4.10	8.12	33.6	22.4	9.01	2.35	1.38E	1.13 B	15
16	0.955B	0.515B	0.538B	0.485B	4.22	8.60	29.9	22.4	9.21	2.29	1.36A	1.12 B	16
17	0.945B	0.530B	0.535B	0.495B	4.40	8.79	27.9	22.5	10.4	2.24	1.35E	1.12 B	17
18	0.925B	0.545B	0.534B	0.505B	4.91	8.42	27.1	21.4	11.2	2.16	1.34E	1.11 B	18
19	0.905B	0.555B	0.532B	0.535B	5.85	7.48	27.5	19.6	12.8	2.12	1.33E	1.11 B	19
20	0.880B	0.570B	0.530B	0.570B	7.64	6.96	29.6	20.0	14.0	2.07A	1.32E	1.10 B	20
21	0.875B	0.585B	0.528B	0.625B	11.8	6.65	28.8	19.9	11.1	2.03E	1.31E	1.10 B	21
22	0.875B	0.595B	0.526B	0.695B	15.6	6.37	29.4	17.8	9.13	1.99E	1.30E	1.09 B	22
23	0.870B	0.606B	0.525B	0.770B	17.8	5.96	30.1	16.6	7.64	1.96E	1.29E	1.06 B	23
24	0.870B	0.605B	0.524B	0.850B	19.7	5.71	28.0	16.7	6.67	1.92E	1.28E	1.04 B	24
25	0.860B	0.600B	0.522B	0.960B	22.7	5.41	24.0	17.7	5.94	1.88E	1.28E	1.03 B	25
26	0.781B	0.590B	0.521B	1.11 E	28.2	6.15	21.7	20.1	5.43	1.86E	1.27B	1.02 B	26
27	0.750B	0.575B	0.520B	1.30 E	27.8	7.95	21.4	21.1	4.97	1.82E	1.26B	1.00 B	27
28	0.720B	0.570B	0.519B	1.42 E	22.6	8.84	24.0	18.8	4.66	1.78E	1.25B	0.980B	28
29	0.695B		0.518B	1.54 E	18.5	8.03	27.7	16.4	4.36	1.76E	1.24B	0.950B	29
30	0.675B		0.516B	1.65 E	17.9	8.06	30.4	15.6	4.09	1.74E	1.23B	0.930B	30
31	0.650B		0.514B		18.6		28.3	13.4		1.71E		0.900B	31
TOTAL	28.002	15 236	16.633	21.031	301.47	317.11	701.6	607.9	272.38	79.97	42.09	34.130	TOTAL
MEAN	0.903	0.544	0.537	0.701	9.72	10.6	22.6	19.6	9.08	2.58	1.40	1.10	MEAN
MAX	1.04	0.620	0.565	1.65	28.2	20.9	33.6	23.7	14.0	4.44	1.68	1.22	MAX
MIN	0.650	0.475	0.514	0.485	2.00	5.41	10.4	13.4	4.09	1.71	1.23	0.900	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.68
MAXIMUM DAILY, 33.6 ON JUL 15
MINIMUM DAILY, 0.475B ON FEB 10
MAXIMUM INSTANTANEOUS,
35.4 AT 03:25 MST ON JUL 15

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 53 00 N
LONG 116 41 20 W
DRAINAGE AREA, 249 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 420	JUL	60 600
FEB	1 320	AUG	52 500
MAR	1 440	SEP	23 500
APR	1 820	OCT	6 910
MAY	26 000	NOV	3 640
JUN	27 400	DEC	2 950

TOTAL DISCHARGE, 211 000 dam³

MITCHELL RESERVOIR NEAR ELKWATER - STATION NO. 11AB099

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	33.051E	33.039E	32.991E	33.022E	32.932E	32.776E	32.591E	32.463E	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	33.068E	33.001E	33.009E	33.005E	32.879E	32.710E	32.533E	32.443E	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	33.043	---	---	---	33.000	---	---	---	---	---	---	24
25	---	33.043E	33.085	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	32.659	---	---	---	---	26
27	---	---	---	32.975E	33.044	32.983E	---	---	32.491E	---	---	---	27
28	---	33.045E	33.075E	32.974	33.043E	---	32.839E	32.647E	---	32.431	---	---	28
29	---	---	---	---	---	---	32.834	---	---	---	---	---	29
30	---	---	---	32.978E	---	32.966E	---	---	32.478	---	---	---	30
31	---	---	33.064E	---	33.036E	---	32.822E	32.633E	---	32.428E	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 28 28 N
LONG 110 05 24 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.054	0.005	0.001	0	0	0	0	0	---	1
2	---	---	0 B	0.084	0.004	0	0	0	0	0	0	---	2
3	---	---	0 B	0.096	0.005	0	0	0	0	0	0	---	3
4	---	---	0 B	0.141	0.006	0	0	0	0	0	---	---	4
5	---	---	0 B	0.185	0	0	0	0	0	0	---	---	5
6	---	---	0.010B	0.163	0.002	0	0	0	0	0	---	---	6
7	---	---	0.018B	0.202	0.006	0.003	0	0	0	0	---	---	7
8	---	---	0.024B	0.181	0.027	0.002	0	0	0	0	---	---	8
9	---	---	0.033B	0.092	0.037	0	0	0	0	0	---	---	9
10	---	---	0.035B	0.053	0.020	0	0	0	0	0	---	---	10
11	---	---	0.045B	0.045	0.016	0	0	0	0	0	---	---	11
12	---	---	0.080B	0.081	0.019	0	0	0	0	0	---	---	12
13	---	---	0.143B	0.069	0.051	0	0	0	0	0	---	---	13
14	---	---	0.220B	0.058	0.062	0	0	0	0	0	---	---	14
15	---	---	0.300B	0.055	0.069	0	0	0	0	0	---	---	15
16	---	---	0.760B	0.044	0.067	0	0	0	0	0	---	---	16
17	---	---	0.660B	0.052	0.061	0	0	0	0	0	---	---	17
18	---	---	0.531B	0.061	0.044	0	0	0	0	0	---	---	18
19	---	---	0.420B	0.056	0.035	0	0	0	0	0	---	---	19
20	---	---	0.390B	0.057	0.023	0	0	0	0	0	---	---	20
21	---	---	0.340B	0.045	0.017	0	0	0	0	0	---	---	21
22	---	---	0.263B	0.048	0.010	0	0	0	0	0	---	---	22
23	---	---	0.195B	0.047	0.006	0	0	0	0	0	---	---	23
24	---	---	0.120B	0.045	0.004	0	0	0	0	0	---	---	24
25	---	---	0.095B	0.038	0.002	0	0	0	0	0	---	---	25
26	---	---	0.117B	0.030	0	0	0	0	0	0	---	---	26
27	---	---	0.120B	0.023	0	0	0	0	0	0	---	---	27
28	---	---	0.122B	0.018	0.002	0	0	0	0	0	---	---	28
29	---		0.126B	0.012	0.001	0	0	0	0	0	---	---	29
30	---		0.116B	0.009	0	0	0	0	0	0		---	30
31	---		0.020B		0		0	0		0		---	31
TOTAL	---	---	5.363	2.144	0.601	0.006	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.173	0.071	0.019	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.760	0.202	0.069	0.003	0	0	0	0	---	---	MAX
MIN	---	---	0	0.009	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 0.760B ON MAR 16
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 10 N
LONG 110 30 30 W
DRAINAGE AREA, 1 440 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	463	SEP	0
APR	185	OCT	0
MAY	51.9	NOV	---
JUN	0.52	DEC	---

TOTAL DISCHARGE, 700 dam³

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.007B	3.42	0.330	0.608	0.126	0	0	---	---	1
2	---	---	0 B	0.009B	3.76	0.315	0.523	0.100	0	0	---	---	2
3	---	---	0 B	0.012B	4.53	0.285	0.446	0.075	0	0	---	---	3
4	---	---	0 B	0.012B	4.52	0.256	0.364	0.048	0	0	---	---	4
5	---	---	0 B	0.013B	3.92	0.214	0.313	0.038	0	0	---	---	5
6	---	---	0 B	0.028B	3.38	0.192	0.263	0.032	0	0	---	---	6
7	---	---	0 B	0.019B	2.82	0.173	0.222	0.024	0	0	---	---	7
8	---	---	0 B	0.078B	2.37	0.129	0.176	0.019	0	0	---	---	8
9	---	---	0 B	0.335B	2.05	0.120	0.146	0.012	0	0	---	---	9
10	---	---	0 B	0.262B	1.74	0.133	0.113	0.009	0	0	---	---	10
11	---	---	0 B	0.177B	1.51	0.149	0.095	0.009	0	0	---	---	11
12	---	---	0 B	0.106B	1.30	0.145	0.078	0.006	0	0	---	---	12
13	---	---	0 B	0.095B	1.15	0.153	0.056	0.004	0	0	---	---	13
14	---	---	0 B	0.084B	1.05	0.096	0.044	0.003	0	0	---	---	14
15	---	---	0 B	0.070B	1.03	0.078	0.038	0.002	0	0	---	---	15
16	---	---	0 B	0.067B	0.956	0.121	0.084	0.001	0	0	---	---	16
17	---	---	0 B	0.057B	0.830	0.359	0.064	0.001	0	0	---	---	17
18	---	---	0 B	0.082B	0.777	0.497	0.051	0.001	0	0	---	---	18
19	---	---	0 B	0.229B	0.878	0.577	0.024	0	0	0	---	---	19
20	---	---	0 B	1.67 B	0.714	0.614	0.017	0	0	0	---	---	20
21	---	---	0 B	6.76 B	0.612	0.583	0.014	0	0	0	---	---	21
22	---	---	0 B	8.06 B	0.545	0.584	0.175	0	0	0	---	---	22
23	---	---	0 B	9.01 B	0.519	0.537	0.317	0	0	0	---	---	23
24	---	---	0.001B	8.62	0.492	0.494	0.335	0	0	0	---	---	24
25	---	---	0.001B	7.67	0.464	0.553	0.318	0	0	0	---	---	25
26	---	---	0.001B	6.87	0.431	0.501	0.268	0	0	0	---	---	26
27	---	---	0.001B	5.46	0.411	0.470	0.228	0	0	0	---	---	27
28	---	---	0.002B	4.19	0.379	0.487	0.192	0	0	0	---	---	28
29	---		0.002B	3.52	0.339	0.645	0.197	0	0	0	---	---	29
30	---		0.004B	3.33	0.329	0.692	0.207	0	0	0	---	---	30
31	---		0.006B		0.340		0.188	0		0		---	31
TOTAL	---	---	0.018	66.902	47.566	10.482	6.164	0.510	0	0	---	---	TOTAL
MEAN	---	---	0.001	2.23	1.53	0.349	0.199	0.016	0	0	---	---	MEAN
MAX	---	---	0.006	9.01	4.53	0.692	0.608	0.126	0	0	---	---	MAX
MIN	---	---	0	0.007	0.329	0.078	0.014	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.537
MAXIMUM DAILY, 9.01B ON APR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.5B AT 00:00 MST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 23 00 N
LONG 118 42 40 W
DRAINAGE AREA, 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	533
FEB	---	AUG	44.1
MAR	1.56	SEP	0
APR	5 780	OCT	0
MAY	9 110	NOV	---
JUN	906	DEC	---

TOTAL DISCHARGE, 11 400 dam³

MOORE LAKE NEAR COLD LAKE - STATION NO. 06AC002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	549.577	549.534	549.519	549.536	549.464	549.398	---	---	1
2	---	---	---	---	549.575	549.534	549.517	549.538	549.455	549.399	---	---	2
3	---	---	---	---	549.573	549.531	549.516	549.539	549.452	549.398	---	---	3
4	---	---	---	---	549.573	549.526	549.512	549.540	549.447	549.396	---	---	4
5	---	---	---	---	549.573	549.523	549.529	549.537	549.446	549.395	---	---	5
6	---	---	---	---	549.569	549.526	549.506	549.538	549.444	549.387	---	---	6
7	---	---	---	---	549.569	549.532	549.509	549.535	549.444	549.383	---	---	7
8	---	---	---	---	549.566	549.536	549.523	549.532	549.443	549.384	---	---	8
9	---	---	---	---	549.563	549.535	549.526	549.530	549.443	549.388	---	---	9
10	---	---	---	---	549.564	549.535	549.523	549.527	549.436	549.384	---	---	10
11	---	---	549.566A	---	549.565	549.535	549.522	549.525	549.433	549.382	---	---	11
12	---	---	---	---	549.564	549.533	549.523	549.520	549.429	549.380	---	---	12
13	---	---	---	---	549.563	549.527	549.525	549.513	549.424	549.377	---	---	13
14	---	---	---	---	549.562	549.525	549.533	549.507	549.423	549.378	---	---	14
15	---	---	---	---	549.555	549.523	549.550	549.504	549.423	549.379	---	---	15
16	---	---	---	---	549.544	549.520	549.555	549.502	549.420	549.376	---	---	16
17	---	---	---	---	549.542	549.523	549.554	549.500	549.419	549.377	---	---	17
18	---	---	---	---	549.542	549.521	549.552	549.500	549.415	549.375	---	---	18
19	---	---	---	---	549.544	549.519	549.549	549.498	549.412	549.369	---	---	19
20	---	---	---	---	549.546	549.517	549.545	549.494	549.413	549.364	---	---	20
21	---	---	---	---	549.544	549.518	549.547	549.489	549.410	549.362	---	---	21
22	---	---	---	---	549.562	549.520	549.553	549.487	549.408	549.364	---	---	22
23	---	---	---	---	549.572	549.522	549.554	549.484	549.409	549.357	---	---	23
24	---	---	---	549.576A	549.544	549.526	549.548	549.483	549.408	549.360	---	---	24
25	---	---	---	549.577	549.538	549.526	549.542	549.480	549.419	549.357	---	---	25
26	---	---	---	549.575	549.537	549.522	549.539	549.478	549.416	549.367	---	---	26
27	---	---	---	549.576	549.538	549.519	549.539	549.475	549.410	549.362	---	---	27
28	---	---	---	549.576	549.540	549.515	549.542	549.466	549.403	549.358	---	---	28
29	---		---	549.573	549.540	549.514	549.540	549.461	549.403	549.354A	---	---	29
30	---		---	549.575	549.538	549.513	549.537	549.469	549.402	549.354E	---	---	30
31	---		---		549.533		549.537	549.470		549.354E		---	31
MEAN	---	---	---	---	549.555	549.525	549.534	549.505	549.426	549.375	---	---	MEAN
MAX	---	---	---	---	549.577	549.536	549.555	549.540	549.464	549.399	---	---	MAX
MIN	---	---	---	---	549.533	549.513	549.506	549.461	549.402	549.354	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 30 00 N
LONG 110 34 00 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.543B	0.039	0.001	0	0.051	0	0	0	---	1
2	---	---	0.001B	0.516B	0.037	0.001	0	0.035	0	0	0	---	2
3	---	---	0.001B	0.481B	0.037	0.001	0	0.029	0	0	0	---	3
4	---	---	0.001B	0.420B	0.017	0	0	0.003	0	0	---	---	4
5	---	---	0.001B	0.365B	0.016	0	0	0.001	0	0	---	---	5
6	---	---	0.001B	0.330B	0.014	0	0	0	0	0	---	---	6
7	---	---	0.001B	0.290B	0.001	0.002	0	0	0	0	---	---	7
8	---	---	0.001B	0.168	0.001	0.002	0	0	0	0	---	---	8
9	---	---	0.001B	0.210	0.036	0	0	0	0	0	---	---	9
10	---	---	0.001B	0.185	0.001	0.001	0	0	0	0	---	---	10
11	---	---	0.001B	0.113	0.002	0.001E	0	0	0	0	---	---	11
12	---	---	0.001B	0.107	0.003	0.002E	0	0	0	0	---	---	12
13	---	---	0.001B	0.083	0.002	0.004E	0	0	0	0	---	---	13
14	---	---	0.001B	0.082	0.001	0.007E	0.001	0	0	0	---	---	14
15	---	---	0.001B	0.088	0.001	0.010E	0.121	0	0	0	---	---	15
16	---	---	0.001B	0.085	0.002	0.025E	0.181	0	0	0	---	---	16
17	---	---	0.001B	0.083	0.001	0.049A	0.135	0	0	0	---	---	17
18	---	---	0.001B	0.088	0.020A	0.062	0.069	0	0	0	---	---	18
19	---	---	0.001B	0.100	0.016E	0.077	0.019	0	0	0	---	---	19
20	---	---	0.050B	0.106	0.012E	0.026	0.016	0	0	0	---	---	20
21	---	---	0.219B	0.060	0.008E	0.023	0.004	0	0	0	---	---	21
22	---	---	0.132B	0.015	0.004	0.006	0.094	0	0	0	---	---	22
23	---	---	0.084B	0.038	0.004	0.002	0.220	0	0	0	---	---	23
24	---	---	0.054B	0.015	0.006	0.004	0.220	0	0	0	---	---	24
25	---	---	0.028B	0.018	0.004	0.001	0.158	0	0	0	---	---	25
26	---	---	0.072B	0.014	0.003	0.001	0.095	0	0	0	---	---	26
27	---	---	0.113B	0.069	0.001	0	0.043	0	0	0	---	---	27
28	---	---	0.192B	0.015	0.001	0	0.032	0	0	0	---	---	28
29	---		0.205B	0.011	0.001	0	0.016	0	0	0	---	---	29
30	---		0.360B	0.016	0.001	0	0.056	0	0	0		---	30
31	---		0.590B		0.001		0.057	0		0		---	31
TOTAL	---	---	2.116	4.714	0.293	0.338	1.537	0.119	0	0	---	---	TOTAL
MEAN	---	---	0.068	0.157	0.009	0.011	0.050	0.004	0	0	---	---	MEAN
MAX	---	---	0.590	0.543	0.039	0.077	0.220	0.051	0	0	---	---	MAX
MIN	---	---	0.001	0.011	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.590B ON MAR 31
MINIMUM DAILY, 0 ON JUN 4
MAXIMUM INSTANTANEOUS,
1.32 AT 00:30 MST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 56 03 N
LONG 110 46 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	133
FEB	---	AUG	10.3
MAR	183	SEP	0
APR	407	OCT	0
MAY	25.3	NOV	---
JUN	29.2	DEC	---

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 06AC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.499B	1.87	0.529	0.022	0.010	0.003	0.001	0.004E	0B	1
2	0B	0B	0 B	0.578B	1.59	0.540	0.021	0.010	0.002	0.001	0.004E	0B	2
3	0B	0B	0 B	0.679B	1.52	0.529	0.018	0.010	0.002	0.001	0.003E	0B	3
4	0B	0B	0 B	0.888B	1.58	0.432	0.018	0.010	0.002	0.002	0.003E	0B	4
5	0B	0B	0 B	1.16 B	1.54	0.386	0.012	0.009	0.002	0.002	0.003E	0B	5
6	0B	0B	0 B	1.24 B	1.44	0.397	0.013	0.010	0.002	0.001	0.003E	0B	6
7	0B	0B	0 B	1.53 B	1.35	0.422	0.013	0.010	0.001	0.001	0.003E	0B	7
8	0B	0B	0 B	1.81 B	1.25	0.374	0.013	0.014	0.001	0.001	0.003E	0B	8
9	0B	0B	0 B	1.96 B	1.38	0.315	0.012	0.013	0.001	0.002	0.002B	0B	9
10	0B	0B	0 B	1.85 B	1.50	0.290	0.012	0.011	0.001	0.001	0.002B	0B	10
11	0B	0B	0 B	1.84 B	1.43	0.248	0.013	0.010	0.001	0.002	0.002B	0B	11
12	0B	0B	0 B	1.79 B	1.40	0.236	0.012	0.009	0.001	0.001	0.002B	0B	12
13	0B	0B	0.002B	1.76 B	1.40	0.273	0.011	0.008	0.001	0.002	0.001B	0B	13
14	0B	0B	0.004B	1.72 B	1.20	0.224	0.013	0.007	0.001	0.002	0.001B	0B	14
15	0B	0B	0.007B	1.70 B	1.23	0.167	0.016	0.007	0.001	0.002	0.001B	0B	15
16	0B	0B	0.011B	1.55 B	1.26	0.093	0.019	0.007	0	0.002	0.001B	0B	16
17	0B	0B	0.018B	1.56 B	1.46	0.066	0.017	0.006	0	0.002	0.001B	0B	17
18	0B	0B	0.024B	1.68 B	1.39	0.037	0.013	0.006	0	0.002	0 B	0B	18
19	0B	0B	0.013B	1.80 B	1.18	0.028	0.012	0.005	0	0.002	0 B	0B	19
20	0B	0B	0.007B	1.95 B	1.09	0.021	0.011	0.006	0.001	0.002	0 B	0B	20
21	0B	0B	0.005B	2.15 B	0.943	0.033	0.011	0.005	0.001	0.002	0 B	0B	21
22	0B	0B	0.004B	2.32	0.926	0.038	0.011	0.004	0.001	0.002	0 B	0B	22
23	0B	0B	0.004B	2.20	0.949	0.037	0.011	0.005	0.001	0.003	0 B	0B	23
24	0B	0B	0.006B	2.11	0.956	0.042	0.009	0.004	0.002	0.003	0 B	0B	24
25	0B	0B	0.022B	2.24	0.909	0.038	0.009	0.003	0.002	0.003	0 B	0B	25
26	0B	0B	0.050B	2.16	0.874	0.031	0.007	0.003	0.002	0.004	0 B	0B	26
27	0B	0B	0.077B	2.09	0.798	0.026	0.009	0.003	0.001	0.005A	0 B	0B	27
28	0B	0B	0.187B	1.94	0.721	0.025	0.011	0.002	0.001	0.004E	0 B	0B	28
29	0B		0.307B	1.75	0.718	0.022	0.011	0.001	0.002	0.004E	0 B	0B	29
30	0B		0.366B	1.78	0.667	0.021	0.012	0.005	0.001	0.004E	0 B	0B	30
31	0B		0.438B		0.594		0.010	0.003		0.004E		0B	31
TOTAL	0	0	1.552	50.284	37.115	5.920	0.402	0.216	0.037	0.070	0.039	0	TOTAL
MEAN	0	0	0.050	1.68	1.20	0.197	0.013	0.007	0.001	0.002	0.001	0	MEAN
MAX	0	0	0.438	2.32	1.87	0.540	0.022	0.014	0.003	0.005	0.004	0	MAX
MIN	0	0	0	0.499	0.594	0.021	0.007	0.001	0	0.001	0	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.262
MAXIMUM DAILY, 2.32 ON APR 22
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
2.36 AT 04:00 MST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 20 25 N
LONG 111 00 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	34.7
FEB	0	AUG	18.7
MAR	134	SEP	3.20
APR	4 340	OCT	6.05
MAY	3 210	NOV	3.37
JUN	511	DEC	0

TOTAL DISCHARGE, 8 260 dam³

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.052	0.037	0.262	0.635	0.026	1.83	1.41	0.004	0.002	1
2	---	---	---	0.045	0.037	0.221	0.613	0.023	1.77	1.40	0.012	0.004	2
3	---	---	---	0.043	0.040	0.190	0.582	0.021	1.77	1.43	0.012	0.002	3
4	---	---	---	0.044	0.044	0.177	0.567	0.020	1.75	1.42	0.020	0.002	4
5	---	---	---	0.055	0.060	0.175	0.583	0.022	1.75	1.44	0.012	0.013	5
6	---	---	---	0.073	0.077	0.155	1.14	0.017	1.73	1.41	0.013	0.026	6
7	---	---	---	0.045	0.062	0.132	1.76	0.001	1.71	1.41	0.013	0.025	7
8	---	---	---	0.043	0.159	0.131	1.70	0.669	1.71	1.43	0.013	0.021	8
9	---	---	---	0.040	0.211	0.126	1.63	2.17	1.71	1.40	0.016	0.023	9
10	---	---	---	0.038	0.180	0.120	1.55	2.18	1.71	1.43	0.005	0.030	10
11	---	---	---	0.039	0.132	0.110	1.53	2.18	1.71	1.41	0	0.026	11
12	---	---	---	0.040	0.091	0.118	1.48	2.17	1.72	0.817	0	0.017	12
13	---	---	---	0.037	0.151	0.261	0.934	2.16	1.71	0.023	0	0.014	13
14	---	---	---	0.038	0.347	0.486	0.766	2.18	1.72	0.013	0	0.008	14
15	---	---	---	0.042	1.13	0.282	1.17	2.20	1.71	0.010	0	0.011	15
16	---	---	---	0.046	0.717	0.169	1.49	2.18	1.71	0.522	0	0.016B	16
17	---	---	---	0.043	0.683	0.140	1.47	2.17	1.70	1.49	0	---	17
18	---	---	---	0.044	0.826	0.127	1.46	2.17	1.70	1.50	0.006	---	18
19	---	---	---	0.045	0.775	0.111	1.46	2.15	1.71	1.52	0.004	---	19
20	---	---	---	0.046	0.679	0.102	0.619	2.14	1.72	0.694	0.004	---	20
21	---	---	---	0.047	0.690	0.093	0.448	2.14	1.70	0.016	0.006	---	21
22	---	---	---	0.044	1.07	0.088	0.873	2.10	1.70	0.012	0.005	---	22
23	---	---	---	0.044	0.625	0.074	1.41	2.07	1.68	0.013	0.004	---	23
24	---	---	---	0.045	0.511	0.083	1.45	2.07	1.67	0.012	0.003	---	24
25	---	---	---	0.041	0.448	0.074	1.60	2.05	1.67	0.008	0.003	---	25
26	---	---	---	0.037	0.400	0.061	1.49	2.04	1.59	0.009	0	---	26
27	---	---	---	0.037	0.359	0.087	1.42	2.02	1.42	0.005	0.001	---	27
28	---	---	---	0.035	0.333	0.074	1.39	2.01	1.40	0.001	0.004	---	28
29	---	---	---	0.035	0.311	0.432	0.705	2.00	1.42	0.004	0.004	---	29
30	---	---	---	0.035	0.293	0.629	0.031	1.99	1.40	0.009	0.007	---	30
31	---	---	0.059A		0.260		0.029	1.98		0.004		---	31
TOTAL	---	---	---	1.298	11.738	5.290	33.985	49.319	50.20	22.312	0.171	---	TOTAL
MEAN	---	---	---	0.043	0.379	0.176	1.10	1.59	1.67	0.720	0.006	---	MEAN
MAX	---	---	---	0.073	1.13	0.629	1.76	2.20	1.83	1.52	0.020	---	MAX
MIN	---	---	---	0.035	0.037	0.061	0.029	0.001	1.40	0.001	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.714
MAXIMUM DAILY, 2.20 ON AUG 15
MINIMUM DAILY, 0 ON NOV 11

SUMMARY FOR THE MONTHS APR TO NOV

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 00 N
LONG 113 41 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 940
FEB	---	AUG	4 260
MAR	---	SEP	4 340
APR	112	OCT	1 930
MAY	1 010	NOV	14.8
JUN	457	DEC	---

TOTAL DISCHARGE, 15 100 dam³

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.212	4.16	6.37	2.75	1.30	0.368	---	---	1
2	---	---	---	---	0.354	3.71	5.04	2.49	1.35	0.453	---	---	2
3	---	---	---	---	0.433	4.67	4.56	2.32	1.12	0.479	---	---	3
4	---	---	---	---	0.402	4.50	6.71	2.35	0.971	0.433	---	---	4
5	---	---	---	---	0.368	3.65	7.73	2.21	0.934	0.396	---	---	5
6	---	---	---	---	0.340	3.51	6.97	2.21	0.855	0.382	---	---	6
7	---	---	---	---	0.283	3.57	5.58	2.32	0.821	0.382	---	---	7
8	---	---	---	---	0.244	2.92	3.99	2.46	0.934	0.382	---	---	8
9	---	---	---	---	0.232	2.44	2.66	2.35	1.20	0.374	---	---	9
10	---	---	---	---	0.232	2.12	2.12	2.24	1.38	0.360	---	---	10
11	---	---	---	---	0.229	2.01	1.93	2.32	1.09	0.340	---	---	11
12	---	---	---	---	0.224	1.88	2.04	2.38	1.06	0.334	---	---	12
13	---	---	---	---	0.229	1.90	2.46	2.58	0.957	0.309	---	---	13
14	---	---	---	---	0.272	2.10	4.16	2.66	0.813	0.309	---	---	14
15	---	---	---	---	0.360	1.98	3.88	2.52	0.719	0.303	---	---	15
16	---	---	---	---	0.374	2.24	3.79	2.35	0.790	0.303	---	---	16
17	---	---	---	---	0.382	2.27	3.34	2.27	0.912	0.283	---	---	17
18	---	---	---	---	0.470	2.01	3.51	2.18	0.994	0.272	---	---	18
19	---	---	---	---	0.719	1.70	3.79	1.98	1.16	0.266	---	---	19
20	---	---	---	---	1.11	1.53	3.85	2.12	1.08	0.255	---	---	20
21	---	---	---	---	1.61	1.47	3.65	1.98	0.790	0.238	---	---	21
22	---	---	---	---	3.03	1.44	3.43	1.59	0.671	0.238	---	---	22
23	---	---	---	---	4.08	1.38	3.48	1.44	0.589	0.238	---	---	23
24	---	---	---	---	4.96	1.29	3.11	1.53	0.518	0.238	---	---	24
25	---	---	---	---	5.78	1.30	2.97	1.76	0.479	0.232	---	---	25
26	---	---	---	---	7.70	2.07	2.80	2.24	0.470	0.261	---	---	26
27	---	---	---	---	7.59	3.31	2.72	2.27	0.433	0.261	---	---	27
28	---	---	---	---	5.41	2.92	3.14	1.70	0.411	0.249	---	---	28
29	---	---	---	---	4.02	2.35	4.50	1.42	0.416	0.238	---	---	29
30	---	---	---	---	4.11	3.06	3.88	1.50	0.388	0.218	---	---	30
31	---	---	---		4.76		3.09	1.33		0.198		---	31
TOTAL	---	---	---	---	60.519	75.42	121.25	65.82	25.605	9.592	---	---	TOTAL
MEAN	---	---	---	---	1.95	2.51	3.91	2.12	0.854	0.309	---	---	MEAN
MAX	---	---	---	---	7.70	4.67	7.73	2.75	1.38	0.479	---	---	MAX
MIN	---	---	---	---	0.212	1.29	1.93	1.33	0.388	0.198	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.95
MAXIMUM DAILY, 7.73 ON JUL 5
MINIMUM DAILY, 0.198 ON OCT 31
MAXIMUM INSTANTANEOUS,
8.55 AT 24:00 MDT ON MAY 26

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 30 N
LONG 115 19 00 W
DRAINAGE AREA, 41.7 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 500
FEB	---	AUG	5 690
MAR	---	SEP	2 210
APR	---	OCT	829
MAY	5 230	NOV	---
JUN	6 520	DEC	---

TOTAL DISCHARGE, 31 000 dam³

MURIEL LAKE AT GURNEYVILLE - STATION NO. 06AC007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	559.862	559.869	---	559.650	---	---	1
2	---	---	---	---	---	---	559.857	559.867	---	559.653	---	---	2
3	---	---	---	---	---	---	559.856	559.864	---	559.653	---	---	3
4	---	---	---	---	---	---	559.855	559.864	---	559.654	---	---	4
5	---	---	---	---	---	---	559.854	559.867	---	559.653	---	---	5
6	---	---	---	---	---	---	559.854	559.860	---	559.644	---	---	6
7	---	---	---	---	---	559.911A	559.840	559.856	---	559.655	---	---	7
8	---	---	---	---	---	559.912	559.827	559.853	---	559.652	---	---	8
9	---	---	---	---	---	559.910	559.833	559.852	---	559.645	---	---	9
10	---	---	---	---	---	559.901	559.839	559.856	559.711A	559.646	---	---	10
11	---	---	---	---	---	559.903	559.833	---	559.709	559.648	---	---	11
12	---	---	---	---	---	559.904	559.830	---	559.706	559.646	---	---	12
13	---	---	---	---	---	559.902	559.831	---	559.705	559.629	---	---	13
14	---	---	---	---	---	559.894	559.839	---	559.703	559.631	---	---	14
15	---	---	---	---	---	559.897	559.874	---	559.691	559.629	---	---	15
16	---	---	---	---	---	559.895	559.870	---	559.667	559.625	---	---	16
17	---	---	---	---	---	559.894	559.867	---	559.689	559.628	---	---	17
18	---	---	---	---	---	559.887	559.869	---	559.686	559.629	---	---	18
19	---	---	---	---	---	559.890	559.871	---	559.682	559.630	---	---	19
20	---	---	---	---	---	559.885	559.864	---	559.675	559.629	---	---	20
21	---	---	---	---	---	559.881	559.858	---	559.678	559.625	---	---	21
22	---	---	---	---	---	559.879	559.855	---	559.677	559.621	---	---	22
23	---	---	---	---	---	559.882	559.859	---	559.676	559.610	---	---	23
24	---	---	---	---	---	559.880	559.855	---	559.671	559.624	---	---	24
25	---	---	---	---	---	559.879	559.849	---	559.684	559.614	---	---	25
26	---	---	---	---	---	559.874	559.849	---	559.682	559.623	---	---	26
27	---	---	---	---	---	559.872	559.857	---	559.668	559.614	---	---	27
28	---	---	---	---	---	559.865	559.859	---	559.665	559.620A	---	---	28
29	---		---	---	---	559.857	559.864	---	559.669	559.620E	---	---	29
30	---		---	---	---	559.861	559.873	---	559.660	559.620E	---	---	30
31	---		---		---		559.871	---		559.620E		---	31
MEAN	---	---	---	---	---	---	559.854	---	---	559.634	---	---	MEAN
MAX	---	---	---	---	---	---	559.874	---	---	559.655	---	---	MAX
MIN	---	---	---	---	---	---	559.827	---	---	559.610	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 15 N
LONG 110 45 05 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.460B	0.390B	0.350B	0.590B	7.20E	1.81	1.45	2.72	0.095	0.280E	0.500B	0.275B	1
2	0.450B	0.380B	0.360B	0.600B	7.10E	1.73	1.28	2.45	0.114	0.280E	0.490B	0.270B	2
3	0.450B	0.370B	0.360B	0.610B	7.00E	1.56	1.15	2.20	0.124	0.285E	0.480B	0.260B	3
4	0.450B	0.370B	0.370B	0.620B	6.80E	1.54	1.01	2.10	0.140	0.300E	0.470B	0.250B	4
5	0.450B	0.360B	0.380B	0.640B	6.50E	1.69	0.910	1.84	0.114	0.330E	0.455B	0.235B	5
6	0.450B	0.350B	0.380B	0.650B	6.20E	1.89	0.888	1.71	0.100	0.360E	0.450B	0.230B	6
7	0.440B	0.340B	0.390B	0.650B	5.90E	1.85	0.867	1.41	0.142	0.400E	0.450B	0.225B	7
8	0.440B	0.320B	0.390B	0.660B	5.70E	1.83	1.10	1.24	0.131	0.450	0.450B	0.215B	8
9	0.440B	0.310B	0.400B	0.660B	5.50E	2.12	2.25	1.12	0.127	0.501	0.445B	0.209B	9
10	0.440B	0.300B	0.400B	0.660B	5.20E	2.48	2.70	1.01	0.116	0.515	0.440B	0.205B	10
11	0.440B	0.300B	0.410B	0.660B	5.00E	2.39	3.24	0.868	0.113	0.525E	0.440B	0.195B	11
12	0.440B	0.290B	0.410B	0.650B	4.80E	2.18	4.54	0.748	0.114	0.530E	0.430B	0.185B	12
13	0.440B	0.290B	0.420B	0.650B	4.60E	2.03	5.40	0.602	0.120	0.529	0.410B	0.175B	13
14	0.430B	0.290B	0.430B	0.650B	4.40E	1.91	5.73	0.575	0.141	0.604	0.390B	0.165B	14
15	0.430B	0.290B	0.430B	0.640B	4.20E	1.88	6.06	0.565E	0.152E	0.446	0.370B	0.160B	15
16	0.430B	0.290B	0.440B	0.640B	4.00E	1.69	6.77	0.542	0.154E	0.468	0.350B	0.160B	16
17	0.430B	0.300B	0.440B	0.650B	3.80E	1.56	7.48	0.535E	0.156E	0.507	0.330B	0.165B	17
18	0.430B	0.300B	0.440B	0.670B	3.70E	1.49	7.45	0.505E	0.159E	0.497	0.325B	0.170B	18
19	0.430B	0.300B	0.440B	0.700B	3.60E	1.47	7.19	0.486	0.162E	0.556	0.320B	0.180B	19
20	0.430B	0.310B	0.440B	0.770B	3.50E	1.56	7.02	0.485E	0.165E	0.620B	0.315B	0.190B	20
21	0.430B	0.310B	0.440B	0.900B	3.30E	1.53	6.68	0.465E	0.168E	0.621B	0.310B	0.200B	21
22	0.430B	0.320B	0.450B	1.25 B	3.20E	1.53	6.45	0.432	0.168E	0.574B	0.310B	0.200B	22
23	0.430B	0.320B	0.460B	1.55 B	3.10E	1.67	6.61	0.420	0.260E	0.528B	0.305B	0.205B	23
24	0.420B	0.330B	0.470B	2.20 B	3.00E	1.94	6.27	0.389	0.250E	0.499B	0.300B	0.205B	24
25	0.420B	0.330B	0.490B	3.10 B	2.90E	2.23	5.76	0.348	0.255E	0.499B	0.300B	0.205B	25
26	0.420B	0.330B	0.500B	4.40 B	2.80E	1.86	5.08	0.296	0.270	0.498B	0.295B	0.200B	26
27	0.420B	0.340B	0.510B	5.50 B	2.75A	1.76	4.62	0.278	0.269	0.463B	0.290B	0.200B	27
28	0.410B	0.340B	0.530B	6.60 B	2.59	1.73	4.36	0.205	0.269	0.462B	0.290B	0.200B	28
29	0.410B		0.550B	7.00 B	2.38	1.67	3.94	0.150	0.280E	0.506B	0.285B	0.200B	29
30	0.400B		0.560B	7.20 B	2.19	1.56	3.55	0.154	0.280E	0.514B	0.285B	0.195B	30
31	0.400B		0.570B		1.99		2.99	0.103		0.510B		0.195B	31
TOTAL	13.390	9.070	13.610	52.720	134.90	54.14	130.775	26.951	5.108	14.657	11.280	6.324	TOTAL
MEAN	0.432	0.324	0.439	1.76	4.35	1.80	4.22	0.869	0.170	0.473	0.376	0.204	MEAN
MAX	0.460	0.390	0.570	7.20	7.20	2.48	7.48	2.72	0.280	0.621	0.500	0.275	MAX
MIN	0.400	0.290	0.350	0.590	1.99	1.47	0.847	0.103	0.095	0.280	0.285	0.160	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.30
MAXIMUM DAILY, 7.48 ON JUL 17
MINIMUM DAILY, 0.095 ON SEP 1
MAXIMUM INSTANTANEOUS,
7.68 AT 19:40 MST ON JUL 17

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 11 30 N
LONG 111 34 05 W
DRAINAGE AREA, 1 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 160	JUL	11 300
FEB	784	AUG	2 330
MAR	1 180	SEP	441
APR	4 560	OCT	1 270
MAY	11 700	NOV	975
JUN	4 680	DEC	546

TOTAL DISCHARGE, 40 900 dam³

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.34B	1.37B	1.84 B	0.690B	6.82	16.4	4.51	16.0	3.79	2.64	2.64	1.88 B	1
2	2.34B	1.34B	1.88 B	0.690B	7.96	14.3	4.15	13.5	3.90	2.73	2.70E	2.00 B	2
3	2.33B	1.31B	1.85 B	0.680B	6.32	12.6	3.84	11.6	4.03	2.66	2.63A	2.00 B	3
4	2.33B	1.28B	1.80 B	0.660B	5.34	11.2	3.57	10.3	4.04	2.58	2.07B	1.98 B	4
5	2.32B	1.25B	1.75 B	0.640B	4.97	9.80	3.34	9.61	4.30	2.52	2.08B	1.78 B	5
6	2.32B	1.22B	1.60 B	0.630B	5.01	9.07	3.32	8.99	4.15	2.44	2.08B	1.60 B	6
7	2.30B	1.20B	1.50 B	0.613B	6.57	8.43	3.29	8.16	3.76	2.43	2.07B	1.40 B	7
8	2.28B	1.20B	1.45 B	0.695B	11.0	7.85	3.12	7.44	3.44	2.43	1.99B	1.30 B	8
9	2.26B	1.20B	1.35 B	0.786B	15.5	7.62	2.96	6.74	3.19	2.42	2.05B	1.15 B	9
10	2.24B	1.21B	1.25 B	0.684B	13 6	7.76	2.88	6.10	3.12	2.41	1.96B	1.04 B	10
11	2.20B	1.22B	1.15 B	0.782B	11.0	8.59	2.74	5.52	3.00	2.42	1.99B	0.950B	11
12	2.17B	1.22B	1.10 B	0.900B	9.74	10.2	2.93	5.11	2.85	2.40	1.93B	0.860B	12
13	2.14B	1.23B	1.05 B	1.05 B	9.32	15.0	3.46	4.74	2.80	2.39	1.88B	0.770B	13
14	2.11B	1.25B	1.00 B	1.30 B	9.05	14.9	4.61	4.43	2.76	2.39	1.86B	0.680B	14
15	2.08B	1.27B	0.950B	1.50 B	9.67	13.0	5.32	4.12	2.70	2.36	1.78B	0.590B	15
16	2.04B	1.32B	0.900B	1.80 B	10.1	11.4	5.08	3.90	2.68	2.32	1.70B	0.500B	16
17	1.99B	1.39B	0.820B	2.20 B	10.0	10.1	4.23	3.76	2.59	2.28	1.65B	0.510B	17
18	1.94B	1.41B	0.780B	2.50 B	9.70	9.20	3.56	3.66	2.54	2.25	1.63B	0.520B	18
19	1.90B	1.45B	0.750B	2.80 B	9.39	8.60	3.69	3.68	3.12	2.23	1.64B	0.620B	19
20	1.85B	1.47B	0.730B	3.15 B	9.69	8.15	3.97	3.40	3.79	2.22	1.80B	0.680B	20
21	1.80B	1.49B	0.700B	3.60 B	10.4	7.70	5.54	3.34	3.38	2.18	2.02B	0.680B	21
22	1.75B	1.50B	0.650B	4.01 B	12.6	7.11	7.62	3.21	2.97	2.13	2.05B	0.670B	22
23	1.70B	1.51B	0.610B	4.39 B	15.6	6.69	10.3	3.09	2.89	2.13	2.00B	0.670B	23
24	1.65B	1.53B	0.578B	4.80 B	14.2	6.25	11.6	2.92	2.87	2.27	1.90B	0.660B	24
25	1.60B	1.51B	0.580B	4.90 B	12.8	5.86	10.6	2.79	2.86	2.42	1.80B	0.660B	25
26	1.54B	1.50B	0.590B	4.85 B	14.7	5.50	9.18	2.80	2.84	2.38	1.70B	0.650B	26
27	1.48B	1.60B	0.600B	4.03 B	13.6	5.18	8.13	3.26	2.76	2.31	1.62B	0.640B	27
28	1.46B	1.70B	0.630B	3.57 B	11.7	4.94	9.93	3.24	2.69	2.29	1.63B	0.630B	28
29	1.44B		0.660B	3.67 B	10.6	4.62	17.4	3.51	2.63	2.25	1.70B	0.620B	29
30	1.42B		0.670B	3.88	10.5	4.51	20.9	4.42	2.59	2.13	1.81B	0.610B	30
31	1.40B		0.690B		16.4		18.7	4.09		2.25		0.600B	31
TOTAL	60.72	38.15	32.458	66.450	323.85	272.53	204.47	177.43	95.03	73.26	58.36	29.900	TOTAL
MEAN	1.96	1.36	1.05	2.22	10.4	9.08	6.60	5.72	3.17	2.36	1.95	0.96.	MEAN
MAX	2.34	1.70	1.88	4.90	16.4	16.4	20.9	16.0	4.30	2.73	2.70	2.00	MAX
MIN	1.40	1.20	0.578	0.613	4.97	4.51	2.74	2.79	2.54	2.13	1.62	0.500	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.92
MAXIMUM DAILY, 20.9 ON JUL 30
MINIMUM DAILY, 0.500B ON DEC 16
MAXIMUM INSTANTANEOUS,
21.8 AT 14:45 MST ON JUL 30

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 55 32 N
LONG 118 48 52 W
DRAINAGE AREA, 715 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 250	JUL	17 700
FEB	3 300	AUG	15 300
MAR	2 800	SEP	8 210
APR	5 740	OCT	6 330
MAY	28 000	NOV	5 040
JUN	23 500	DEC	2 580

TOTAL DISCHARGE, 124 000 dam³

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	20.7 B	0.505E	0.028E	0.002	0.168	0.109	0.012	---	---	1
2	---	---	0.001B	21.8 B	0.487E	0.026E	0.002	0.185	0.092	0.008	---	---	2
3	---	---	0.001B	21.9 B	0.470E	0.023E	0	0.126	0.069	0.010	---	---	3
4	---	---	0.001B	20.4 B	0.452E	0.021A	0.004	0.079	0.064	0.011	---	---	4
5	---	---	0.001B	16.9	0.434E	0.020	0.001	0.113	0.059	0.013	---	---	5
6	---	---	0.001B	15.3	0.416E	0.014	0.004	0.189	0.049	0.010	---	---	6
7	---	---	0.001B	11.9	0.398E	0.009	0.019	0.208	0.055	0.007	---	---	7
8	---	---	0.001B	10.2	0.380E	0.008	0.026	0.197	0.049	0.036	---	---	8
9	---	---	0.001B	8.37	0.362E	0.007	0.015	0.176	0.037	0.061	---	---	9
10	---	---	0.001B	7.62	0.344E	0.006	0.020	0.204	0.025	0.049	---	---	10
11	---	---	0.001B	6.20	0.326E	0.005	0.009	0.247	0.016	0.117	---	---	11
12	---	---	0 B	3.15	0.309E	0.003	0.011	0.278	0.011	0.154	---	---	12
13	---	---	0 B	4.19	0.291E	0.003	0.011	0.351	0.005	0.156	---	---	13
14	---	---	0 B	3.97	0.273E	0.004	0.030	0.373	0.001	0.143	---	---	14
15	---	---	0 B	3.62	0.255E	0.004	0.035	0.382	0	0.106	---	---	15
16	---	---	0 B	3.15	0.237E	0.006	0.036	0.365	0	0.088	---	---	16
17	---	---	0 B	2.51	0.219E	0.008	0.029	0.386	0	0.080	---	---	17
18	---	---	0.001B	2.02	0.201E	0.010	0.024	0.393	0	0.068	---	---	18
19	---	---	0.025B	1.63	0.183E	0.017	0.090	0.383	0	0.058	---	---	19
20	---	---	0.119B	1.42	0.165E	0.018	0.074	0.328	0	0.045	---	---	20
21	---	---	0.062B	1.13	0.147E	0.026	0.070	0.308	0.001	0.036	---	---	21
22	---	---	0.024B	1.06 E	0.130E	0.020	0.086	0.286	0.004	0.087	---	---	22
23	---	---	0.023B	0.993E	0.112E	0.017	0.162	0.283	0	0.097	---	---	23
24	---	---	0.015B	0.926E	0.094E	0.016	0.160	0.260	0.001	0.085	---	---	24
25	---	---	0.133B	0.859E	0.076E	0.009	0.129	0.244	0.008	0.066	---	---	25
26	---	---	2.33 B	0.792E	0.058E	0.009	0.114	0.213	0.009	0.050	---	---	26
27	---	---	5.73 B	0.725E	0.040E	0.008	0.125	0.162	0.005	0.038	---	---	27
28	---	---	8.56 B	0.658E	0.037E	0.005	0.134	0.134	0.007	0.046	---	---	28
29	---		9.89 B	0.591E	0.035E	0.004	0.129	0.115	0.009	0.045A	---	---	29
30	---		19.1 B	0.524E	0.033E	0.002	0.151	0.158	0.011	0.043E	---	---	30
31	---		20.5 B		0.030E		0.165	0.119		0.041E		---	31
TOTAL	---	---	66.523	195.208	7.499	0.356	1.867	7.413	0.696	1.866	---	---	TOTAL
MEAN	---	---	2.15	6.51	0.242	0.012	0.060	0.239	0.023	0.060	---	---	MEAN
MAX	---	---	20.5	21.9	0.505	0.028	0.165	0.393	0.109	0.156	---	---	MAX
MIN	---	---	0	0.524	0.030	0.002	0	0.079	0	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 21.9B ON APR 3
MINIMUM DAILY, 0B ON MAR 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 01 40 N
LONG 112 51 30 W
DRAINAGE AREA, 720 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	161
FEB	---	AUG	640
MAR	5 750	SEP	60.1
APR	16 900	OCT	161
MAY	648	NOV	---
JUN	30.8	DEC	---

TOTAL DISCHARGE, 24 400 dam³

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0	0	0	0	0	0	---	1
2	---	---	---	0	0	0	0	0	0	0	0	---	2
3	---	---	---	0	0	0	0	0	0	0	0	---	3
4	---	---	---	0	0	0	0	0	0	0	0A	---	4
5	---	---	---	0	0	0	0	0	0	0	---	---	5
6	---	---	---	0	0	0	0	0	0	0	---	---	6
7	---	---	---	0	0	0	0	0	0	0	---	---	7
8	---	---	---	0	0	0	0	0	0	0	---	---	8
9	---	---	---	0	0	0	0	0	0	0	---	---	9
10	---	---	---	0	0	0	0	0	0	0	---	---	10
11	---	---	---	0	0	0	0	0	0	0	---	---	11
12	---	---	---	0	0	0	0	0	0	0	---	---	12
13	---	---	---	0	0	0	0	0	0	0	---	---	13
14	---	---	---	0	0	0	0	0	0	0	---	---	14
15	---	---	---	0	0	0	0	0	0	0	---	---	15
16	---	---	---	0	0	0	0	0	0	0	---	---	16
17	---	---	---	0	0	0	0	0	0	0	---	---	17
18	---	---	---	0	0	0	0	0	0	0	---	---	18
19	---	---	---	0	0	0	0	0	0	0	---	---	19
20	---	---	---	0	0	0	0	0	0	0	---	---	20
21	---	---	---	0	0	0	0	0	0	0	---	---	21
22	---	---	---	0	0	0	0	0	0	0	---	---	22
23	---	---	---	0	0	0	0	0	0	0	---	---	23
24	---	---	---	0	0	0	0	0	0	0	---	---	24
25	---	---	---	0	0	0	0	0	0	0	---	---	25
26	---	---	---	0	0	0	0	0	0	0	---	---	26
27	---	---	---	0	0	0	0	0	0	0	---	---	27
28	---	---	---	0	0	0	0	0	0	0	---	---	28
29	---		---	0	0	0	0	0	0	0	---	---	29
30	---		0A	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	---	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0A ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 20 N
LONG 111 30 20 W
DRAINAGE AREA, 1.61 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0	0	0	0	0	0	---	1
2	---	---	---	---	0	0	0	0	0	0	0	---	2
3	---	---	---	---	0	0	0	0	0	0	0	---	3
4	---	---	---	---	0	0	0	0	0	0	0	---	4
5	---	---	---	---	0	0	0	0	0	0	0A	---	5
6	---	---	---	---	0	0	0	0	0	0	---	---	6
7	---	---	---	---	0	0	0	0	0	0	---	---	7
8	---	---	---	---	0	0	0	0	0	0	---	---	8
9	---	---	---	---	0	0	0	0	0	0	---	---	9
10	---	---	---	---	0	0	0	0	0	0	---	---	10
11	---	---	---	---	0	0	0	0	0	0	---	---	11
12	---	---	---	---	0	0	0	0	0	0	---	---	12
13	---	---	---	---	0	0	0	0	0	0	---	---	13
14	---	---	---	---	0	0	0	0	0	0	---	---	14
15	---	---	---	---	0	0	0	0	0	0	---	---	15
16	---	---	---	---	0.010	0	0	0	0	0	---	---	16
17	---	---	---	---	0.008	0	0	0	0	0	---	---	17
18	---	---	---	---	0.003	0	0	0	0	0	---	---	18
19	---	---	---	---	0	0	0	0	0	0	---	---	19
20	---	---	---	---	0	0	0	0	0	0	---	---	20
21	---	---	---	---	0	0	0	0	0	0	---	---	21
22	---	---	---	0A	0	0	0	0	0	0	---	---	22
23	---	---	---	0	0	0	0	0	0	0	---	---	23
24	---	---	---	0	0	0	0	0	0	0	---	---	24
25	---	---	---	0	0	0	0	0	0	0	---	---	25
26	---	---	---	0	0	0	0	0	0	0	---	---	26
27	---	---	---	0	0	0	0	0	0	0	---	---	27
28	---	---	---	0	0	0	0	0	0	0	---	---	28
29	---		---	0	0	0	0	0	0	0	---	---	29
30	---		---	0	0	0	0	0	0	0	---	---	30
31	---		---		0		0	0		0		---	31
TOTAL	---	---	---	---	0.021	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	---	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	---	0.010	0	0	0	0	0	---	---	MAX
MIN	---	---	---	---	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.010 ON MAY 16
MINIMUM DAILY, 0A ON APR 22
MAXIMUM INSTANTANEOUS,
0.029 AT 14:05 MST ON MAY 16

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 22 40 N
LONG 112 14 40 W
DRAINAGE AREA, 1.09 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	---	OCT	0
MAY	1.81	NOV	---
JUN	0	DEC	---

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.001E	0.939	3.80	4.18	3.52	4.69E	1.83	---	1
2	---	---	---	---	0.001E	1.29	4.16	4.03	3.34	4.64E	1.75A	---	2
3	---	---	---	---	0.001E	1.84	4.40	4.27	3.29	4.14E	---	---	3
4	---	---	---	---	0.001E	2.01	4.31	4.36	3.31	3.08E	---	---	4
5	---	---	---	---	0.001E	2.06	4.06	4.29	3.21	2.34E	---	---	5
6	---	---	---	---	0.015A	2.07	4.27	3.85	3.37	1.91E	---	---	6
7	---	---	---	---	0.174	2.28	3.94	4.22	3.33	1.83E	---	---	7
8	---	---	---	---	0.213	2.27	4.09	3.88	3.13	2.06E	---	---	8
9	---	---	---	---	0.152	2.47	3.69	3.93	2.97	2.32E	---	---	9
10	---	---	---	---	0.130	1.82	3.49	4.05	3.30	2.58E	---	---	10
11	---	---	---	---	0.234	1.99	3.32	3.77	3.50	2.78E	---	---	11
12	---	---	---	---	0.583	2.11	3.61	3.51	3.60	2.90E	---	---	12
13	---	---	---	---	0.249	3.61	4.08	3.52	3.62	3.00E	---	---	13
14	---	---	---	---	0.382	5.30	4.60	3.92	3.63	3.03E	---	---	14
15	---	---	---	---	0.766	4.54	4.48	4.05	3.42	3.03E	---	---	15
16	---	---	---	---	1.31	3.65	4.23	4.11	3.78	3.03A	---	---	16
17	---	---	---	---	1.17	2.48	4.87	4.12	3.60	2.95	---	---	17
18	---	---	---	---	0.972	2.43	4.59	3.91	3.65	2.91	---	---	18
19	---	---	---	---	0.720	2.41	4.83	3.85	3.69	2.88	---	---	19
20	---	---	---	---	0.593	2.25	5.13	3.77	4.06	2.95	---	---	20
21	---	---	---	---	0.645	2.02	4.87	3.75	4.05	3.23	---	---	21
22	---	---	---	0.039A	0.461	1.99	4.52	3.38	4.24	2.96	---	---	22
23	---	---	---	0.005	0.328	1.70	4.05	3.39	4.30	2.37	---	---	23
24	---	---	---	0.002E	0.208	1.76	4.12	3.43	3.96	2.03	---	---	24
25	---	---	---	0.001E	0.182	2.05	4.21	3.14	3.98	1.95	---	---	25
26	---	---	---	0.001E	0.324	3.28	4.17	2.99	3.97A	1.91	---	---	26
27	---	---	---	0.001E	0.348	3.66	4.14	3.12	4.12E	1.89	---	---	27
28	---	---	---	0.001E	0.488	4.05	3.60	3.27	4.23E	1.87	---	---	28
29	---		---	0.001E	0.877	3.88	3.73	3.35	4.37E	1.88	---	---	29
30	---		---	0.001E	1.18	3.27	3.69	3.44	4.62E	1.85	---	---	30
31	---		---		1.04		3.99	3.72		1.83		---	31
TOTAL	---	---	---	---	13.749	77.479	129.04	116.57	111.16	82.82	---	---	TOTAL
MEAN	---	---	---	---	0.444	2.58	4.16	3.76	3.71	2.67	---	---	MEAN
MAX	---	---	---	---	1.31	5.30	5.13	4.36	4.62	4.69	---	---	MAX
MIN	---	---	---	---	0.001	0.939	3.32	2.99	2.97	1.83	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.88
MAXIMUM DAILY, 5.30 ON JUN 14
MINIMUM DAILY, 0.001E ON MAY 1

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 00 N
LONG 112 06 15 W
DRAINAGE AREA, 313 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11 100
FEB	---	AUG	10 100
MAR	---	SEP	9 600
APR	---	OCT	7 160
MAY	1 190	NOV	---
JUN	6 690	DEC	---

TOTAL DISCHARGE, 45 800 dam³

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.52B	1.19B	1.14B	2.30B	2.15	11.6	5.45	37.0	5.50	3.52	3.79	1.80 B	1
2	1.52B	1.19B	1.14B	2.45B	2.17	12.4	6.16	29.4	5.43	3.53	3.78	1.77 B	2
3	1.52B	1.19B	1.14B	2.32B	2.16	11.4	5.87	24.3	6.02	3.52	3.84	1.72 B	3
4	1.52B	1.19B	1.14B	2.10B	2.09	11.5	5.11	21.3	6.04	3.56	3.81	1.68 B	4
5	1.52B	1.19B	1.14B	1.97B	2.02	9.88	4.73	19.2	5.81	3.59	3.85B	1.65 B	5
6	1.46B	1.15B	1.18B	2.02B	2.46	8.76	4.46	17.0	5.70	3.54	3.85B	1.62 B	6
7	1.46B	1.15B	1.18B	1.97B	4.45	8.51	4.41	14.9	5.36	3.49	3.85B	1.60 B	7
8	1.46B	1.15B	1.18B	1.86B	7.01	8.05	5.45	13.6	4.90	3.47	3.85B	1.50 B	8
9	1.46B	1.15B	1.18B	1.75B	11 8	7.74	5.85	12.3	4.52	3.48	3.80B	1.40 B	9
10	1.46B	1.15B	1.18B	1.60B	18.3	7.45	4.99	11.2	4.20	3.48	3.50B	1.33 B	10
11	1.40B	1.10B	1.26B	1.50B	21.8	8.07	4.49	10.3	4.05	3.48	3.49B	1.25 B	11
12	1.40B	1.10B	1.29B	1.40B	21.7	11.4	4.41	9.62	3.92	3.47	3.48B	1.15 B	12
13	1.40B	1.10B	1.32B	1.40B	21.3	10.1	4.15	9.13	3.85	3.46	3.47B	1.05 B	13
14	1.40B	1.10B	1.36B	1.40B	21.1	9.39	4.95	8.62	3.80	3.46	3.46B	0.950B	14
15	1.40B	1.10B	1.46B	1.55B	37.5	9.28	37.0	8.18	3.71	3.44	3.45B	0.870B	15
16	1.36B	1.06B	1.55B	1.85B	39.8	8.60	36.8	8.26	3.59	3.46	3.45B	0.790B	16
17	1.36B	1.06B	1.51B	1.95B	28.8	8.38	32.7	7.83	3.49	3.47	2.75B	0.790B	17
18	1.36B	1.06B	1.52B	2.15B	23.7	8.33	23.1	7.48	3.37	3.46	2.75B	0.790B	18
19	1.36B	1.06B	1.55B	2.35B	20.4	7.90	17.9	7.49	3.35	3.46	2.75B	0.790B	19
20	1.36B	1.06B	1.60B	2.59	18.3	7.62	16.4	8.08	3.70	3.47	2.55B	0.790B	20
21	1.32B	1.08B	1.57B	2.75	16.8	8.00	16.8	7.38	4.13	3.45	2.25B	0.790B	21
22	1.32B	1.08B	1.58B	2.87	17.5	7.73	23.8	7.15	4.07	3.44	1.75B	0.790B	22
23	1.32B	1.08B	1.64B	2.87	17.8	6.91	31.7	6.53	4.10	3.27	1.25B	0.790B	23
24	1.32B	1.08B	1.62B	3.02	17.3	6.28	85.5	6.12	4.41	3.39	1.30B	0.790B	24
25	1.32B	1.08B	1.62B	3.13	16.2	5.78	78.7	5.81	4.52	3.80	1.35B	0.790B	25
26	1.25B	1.11B	1.60B	2.87	14.8	5.45	46.5	5.51	4.39	4.21	1.40B	0.790B	26
27	1.25B	1.11B	1.63B	2.65	13.4	5.37	32.6	5.44	4.16	4.26	1.50B	0.790B	27
28	1.25B	1.11B	1.70B	2.56	12.1	6.79	26.5	5.29	3.94	4.18	1.60B	0.790B	28
29	1.25B		1.80B	2.40	10.9	6.92	28.1	5.15	3.75	4.08	1.65B	0.790B	29
30	1.25B		1.97B	2.22	9.91	5.72	47.5	5.26	3.60	4.05	1.75B	0.790B	30
31	1.25B		2.11B		9.70		49.5	5.55		3.95		0.790B	31
TOTAL	42.80	31.23	44.86	65.82	465.42	251.31	701.58	350.38	131.38	111.89	85.32	33.980	TOTAL
MEAN	1.38	1.12	1.45	2.19	15.0	8.38	22.6	11.3	4.38	3.61	2.84	1.10	MEAN
MAX	1.52	1.19	2.11	3.13	39.8	12.4	85.5	37.0	6.04	4.26	3.85	1.80	MAX
MIN	1.25	1.06	1.14	1.40	2.02	5.37	4.15	5.15	3.35	3.27	1.25	0.790	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.35
MAXIMUM DAILY, 85.5 ON JUL 24
MINIMUM DAILY, 0.790B ON DEC 16
MAXIMUM INSTANTANEOUS,
105 AT 22:30 MST ON JUL 24

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 13 N
LONG 115 31 10 W
DRAINAGE AREA, 873 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 700	JUL	60 600
FEB	2 700	AUG	30 300
MAR	3 880	SEP	11 400
APR	5 690	OCT	9 670
MAY	40 200	NOV	7 370
JUN	21 700	DEC	2 940

TOTAL DISCHARGE, 200 000 dam³

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.453B	0.736B	0.595	0.765	0.708	0.651	0.566	0.680	0.651	---	1
2	---	---	0.453B	0.708B	0.623	0.793	0.736	0.651	0.566	0.651	0.651	---	2
3	---	---	0.425B	0.708B	0.566	0.736	0.708	0.623	0.595	0.651	0.651	---	3
4	---	---	0.425B	0.651B	0.566	0.680	0.651	0.651	0.595	0.680	0.651	---	4
5	---	---	0.425B	0.651B	0.708	0.680	0.680	0.651	0.595	0.680	0.651	---	5
6	---	---	0.425B	0.651B	0.708	0.680	0.680	0.623	0.595	0.680	---	---	6
7	---	---	0.425B	0.623B	0.708	0.651	0.708	0.623	0.595	0.680	---	---	7
8	---	---	0.425B	0.623B	1.22	0.680	0.680	0.651	0.566	0.680	---	---	8
9	---	---	0.425B	0.595B	1.16	0.651	0.680	0.651	0.538	0.651	---	---	9
10	---	---	0.425B	0.566B	0.878	0.651	0.680	0.623	0.566	0.680	---	---	10
11	---	---	0.425B	0.595B	0.765	0.651	0.708	0.623	0.566	0.708	---	---	11
12	---	---	0.425B	0.623	0.680	0.651	0.708	0.623	0.566	0.736	---	---	12
13	---	---	0.425B	0.595	0.623	1.81	0.736	0.595	0.595	0.708	---	---	13
14	---	---	0.425B	0.595	0.595	4.39	0.736	0.623	0.595	0.765	---	---	14
15	---	---	0.453B	0.680	1.93	1.67	0.708	0.680	0.595	0.736	---	---	15
16	---	---	0.453B	0.765	3.65	1.10	0.821	0.623	0.595	0.708	---	---	16
17	---	---	0.453B	0.736	2.12	0.934	0.821	0.595	0.595	0.680	---	---	17
18	---	---	0.453B	0.680	1.70	0.878	0.736	0.595	0.595	0.680	---	---	18
19	---	---	0.481B	0.680	1.61	0.850	0.680	0.623	0.595	0.680	---	---	19
20	---	---	0.510B	0.680	1.19	0.821	0.651	0.623	0.595	0.708	---	---	20
21	---	---	0.538B	0.765	1.27	0.793	0.651	0.623	0.623	0.708	---	---	21
22	---	---	0.595B	0.680	2.15	0.765	0.651	0.595	0.623	0.708	---	---	22
23	---	0.680B	0.623B	0.680	1.81	0.793	0.680	0.566	0.623	0.708	---	---	23
24	---	0.651B	0.651B	0.765	1.22	0.765	0.906	0.538	0.623	0.736	---	---	24
25	---	0.595B	0.623B	0.680	1.13	0.736	1.10	0.538	0.651	0.736	---	---	25
26	---	0.566B	0.595B	0.623	1.30	0.736	0.850	0.538	0.708	0.680	---	---	26
27	---	0.510B	0.566B	0.595	0.934	0.736	0.736	0.538	0.651	0.680	---	---	27
28	---	0.481B	0.736B	0.595	0.878	0.963	0.708	0.538	0.651	0.680	---	---	28
29	---		1.13 B	0.595	0.821	0.793	0.708	0.538	0.623	0.651	---	---	29
30	---		1.25 B	0.595	0.793	0.736	0.651	0.566	0.651	0.651	---	---	30
31	---		0.850B		0.765		0.680	0.623		0.651		---	31
TOTAL	---	---	16.966	19.714	35.666	28.538	22.537	18.802	18.096	21.411	---	---	TOTAL
MEAN	---	---	0.547	0.657	1.15	0.951	0.727	0.607	0.603	0.691	---	---	MEAN
MAX	---	---	1.25	0.765	3.65	4.39	1.10	0.680	0.708	0.765	---	---	MAX
MIN	---	---	0.425	0.566	0.566	0.651	0.651	0.538	0.538	0.651	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.770
MAXIMUM DAILY, 4.39 ON JUN 14
MINIMUM DAILY, 0.538 ON AUG 24
MAXIMUM INSTANTANEOUS,
6.37 AT 23:15 MDT ON MAY 15

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 20 N
LONG 113 03 15 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 950
FEB	---	AUG	1 620
MAR	1 470	SEP	1 560
APR	1 700	OCT	1 850
MAY	3 080	NOV	---
JUN	2 470	DEC	---

TOTAL DISCHARGE, 14 200 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.591B	15.7	15.7	18.6	20.0	18.7	16.8	1.85	0.670	---	1
2	---	---	0.591B	12.0	15.0	18.8	19.8	18.6	16.7	1.26	0.683A	---	2
3	---	---	0.604B	11.8	14.6	18.8	19.8	18.5	16.8	1.02	---	---	3
4	---	---	0.657B	13.5	14.9	18.6	19.7	18.3	16.9	0.974	---	---	4
5	---	---	0.774B	14.4	15.3	19.2	19.8	18.1	16.8	0.951	---	---	5
6	---	---	4.13 B	14.5	15.2	19.8	19.8	18.1	16.7	0.827	---	---	6
7	---	---	4.38 B	14.3	15.2	19.5	19.9	18.0	16.8	0.754	---	---	7
8	---	---	6.42 B	14.3	16.1	19.7	19.8	18.2	16.6	0.649	---	---	8
9	---	---	6.90 B	14.5	15.9	19.7	19.6	18.2	16.6	0.636	---	---	9
10	---	---	8.21 B	14.2	14.9	19.6	19.7	18.1	16.5	0.643	---	---	10
11	---	---	9.78 B	14.4	14.6	19.3	19.6	18.2	16.5	0.718	---	---	11
12	---	---	10.0	14.3	14.4	19.7	19.4	18.1	16.5	0.760	---	---	12
13	---	---	11.6	13.9	14.2	23.0	19.4	18.0	16.4	0.787	---	---	13
14	---	---	13.7	13.3	14.1	29.1	19.9	18.1	16.4	0.767	---	---	14
15	---	---	14.3	13.0	17.9	18.0	19.9	18.2	16.3	0.760	---	---	15
16	---	---	14.4	12.3	24.0	16.8	20.2	18.1	16.3	0.703	---	---	16
17	---	---	15.0	10.8	18.2	18.7	20.2	18.1	16.7	0.665	---	---	17
18	---	---	15.2	7.27	16.7	18.5	20.2	17.1	17.1	0.666	---	---	18
19	---	---	15.1	4.32	17.0	18.8	20.1	16.3	17.2	0.657	---	---	19
20	---	---	15.0	4.08	16.0	18.9	19.9	16.6	17.0	0.715	---	---	20
21	---	---	14.9	3.82	16.4	18.7	20.0	16.9	17.2	0.710	---	---	21
22	---	---	15.1	3.35	21.9	18.7	20.1	16.8	17.1	0.700	---	---	22
23	---	1.00 A	15.3	3.30	20.9	18.8	20.1	16.8	17.1	0.725	---	---	23
24	---	0.838	15.5	3.52	17.0	18.8	20.8	16.8	17.0	0.763	---	---	24
25	---	0.713	15.9	3.04	15.7	18.8	21.8	16.7	17.1	0.756	---	---	25
26	---	0.644B	17.1	2.99	16.6	19.0	19.4	16.7	17.2	0.697	---	---	26
27	---	0.598B	17.3	3.08	16.9	19.3	19.1	16.7	16.1	0.697	---	---	27
28	---	0.591B	18.1	4.34	17.7	20.0	19.0	16.7	12.9	0.695	---	---	28
29	---		20.8	11.6	18.6	19.3	18.7	16.7	7.50	0.673	---	---	29
30	---		18.8	14.7	18.9	19.5	18.8	16.7	3.48	0.680	---	---	30
31	---		17.2		18.6		18.8	16.8		0.666		---	31
TOTAL	---	---	353.337	300.61	519.1	584.0	613.3	543.9	476.28	24.524	---	---	TOTAL
MEAN	---	---	11.4	10.0	16.7	19.5	19.8	17.5	15.9	0.791	---	---	MEAN
MAX	---	---	20.8	15.7	24.0	29.1	21.8	18.7	17.2	1.85	---	---	MAX
MIN	---	---	0.591	2.99	14.1	16.8	18.7	16.3	3.48	0.636	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.9
MAXIMUM DAILY, 29.1 ON JUN 14
MINIMUM DAILY, 0.591B ON MAR 1
MAXIMUM INSTANTANEOUS,
33.9 AT 05:50 MST ON JUN 14

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 19 N
LONG 112 58 18 W
DRAINAGE AREA, 238 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	53 000
FEB	---	AUG	47 000
MAR	30 500	SEP	41 200
APR	26 000	OCT	2 120
MAY	44 900	NOV	---
JUN	50 500	DEC	---

TOTAL DISCHARGE, 295 000 dam³

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.519	5.08	3.02	16.4	2.45	1.47	---	---	1
2	---	---	---	---	0.556	4.79	2.98	14.7	2.61	1.57	---	---	2
3	---	---	---	---	0.523	4.53	2.83	13.1	2.44	1.51	---	---	3
4	---	---	---	---	0.525	4.29	2.73	11.8	2.34	1.47	---	---	4
5	---	---	---	---	0.533	3.99	2.75	10.3	2.38	1.43	---	---	5
6	---	---	---	---	0.572	3.79	2.76	9.22	2.23	1.41	---	---	6
7	---	---	---	---	0.552	3.56	3.74	8.34	2.10	1.40	---	---	7
8	---	---	---	---	0.591	3.56	3.73	7.95	2.03	1.38	---	---	8
9	---	---	---	---	0.690	3.54	3.48	7.06	1.95	1.37	---	---	9
10	---	---	---	---	0.927	3.79	3.59	6.37	1.88	1.41	---	---	10
11	---	---	---	---	1.07	3.73	5.21	5.95	1.81	1.38	---	---	11
12	---	---	---	---	1.17	3.52	4.81	5.56	1.79	1.36	---	---	12
13	---	---	---	---	1.31	3.59	4.95	5.21	1.76	1.33	---	---	13
14	---	---	---	---	1.98	3.98	42.9	4.92	1.73	1.37	---	---	14
15	---	---	---	---	4.21	3.85	63.2	4.61	1.68	1.33	---	---	15
16	---	---	---	---	3.96	3.77	45.4	4.43	1.64	1.30	---	---	16
17	---	---	---	---	4.24	3.62	33.4	4.72	1.60	1.28	---	---	17
18	---	---	---	---	7.34	3.46	24.8	4.24	1.58	1.25	---	---	18
19	---	---	---	---	9.72	3.29	19.2	3.93	1.83	1.25	---	---	19
20	---	---	---	---	11.3	3.13	16.1	3.75	2.23	1.24	---	---	20
21	---	---	---	---	14.2	3.02	18.4	3.61	1.93	1.21	---	---	21
22	---	---	---	---	13.5	2.94	19.7	3.38	1.82	1.17	---	---	22
23	---	---	---	---	11.3	2.82	28.5	3.20	1.85	1.15	---	---	23
24	---	---	---	---	9.51	2.65	38.8	3.07	1.85	1.19	---	---	24
25	---	---	---	---	8.40	2.53	36.1	2.89	1.75	1.20	---	---	25
26	---	---	---	---	7.79	2.46	28.5	2.74	1.69	1.18	---	---	26
27	---	---	---	---	6.71	2.84	22.1	2.61	1.64	1.13A	---	---	27
28	---	---	---	---	5.94	2.69	18.1	2.54	1.61	1.10E	---	---	28
29	---		---	---	5.37	2.50	16.9	2.52	1.57	1.10E	---	---	29
30	---		---	0.441	5.04	2.41	18.1	2.83	1.52	1.05E	---	---	30
31	---		---		4.93		18.1	2.57		1.00E		---	31
TOTAL	---	---	---	---	144.978	103.72	554.88	184.52	57.29	39.99	---	---	TOTAL
MEAN	---	---	---	---	4.68	3.46	17.9	5.95	1.91	1.29	---	---	MEAN
MAX	---	---	---	---	14.2	5.08	63.2	16.4	2.61	1.57	---	---	MAX
MIN	---	---	---	---	0.519	2.41	2.73	2.52	1.52	1.00	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.90
MAXIMUM DAILY, 63.2 ON JUL 15
MINIMUM DAILY, 0.519 ON MAY 1
MAXIMUM INSTANTANEOUS,
72.4 AT 18:55 MST ON JUL 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 55 N
LONG 115 59 30 W
DRAINAGE AREA, 350 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	47 900
FEB	---	AUG	15 900
MAR	---	SEP	4 950
APR	---	OCT	3 460
MAY	12 500	NOV	---
JUN	8 960	DEC	---

TOTAL DISCHARGE, 93 700 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	123 B	104 B	87.3B	168B	141	378	169	1 080	280	147	161E	139 B	1
2	112 B	111 B	81.9B	179B	79.0E	410	155	1 060	282	147	152E	116 B	2
3	113 B	113 B	72.4B	188B	151	435	141	929	274	148	152E	134 B	3
4	111 B	115 B	75.8B	176B	202	431	168	818	273	163	146E	132 B	4
5	115 B	111 B	74.2B	171B	201	422	189	751	257	132	161E	137 B	5
6	114 B	114 B	71.7B	181B	222	380	173	700	272	133	178E	142 B	6
7	101 B	126 B	76.9B	158B	229	350	193	630	264	141	161E	134 B	7
8	107 B	112 B	74.0B	156B	336	320	170	562	252	187	165E	111 B	8
9	99.7B	120 B	77.1B	141B	397	295	192	493	251	169	178E	112 B	9
10	110 B	104 B	77.8B	144B	393	309	190	453	232	157	188E	119 B	10
11	106 B	98.0B	82.4B	172B	381	304	171	420	222	168	182E	124 B	11
12	107 B	93.8B	78.6B	159B	387	300	149	389	211	207	180E	125 B	12
13	105 B	92.6B	102 B	127	367	289	148	401	212	215	182E	115 B	13
14	107 B	91.7B	126 B	112	358	270	184	382	197	182	161E	129 B	14
15	109 B	110 B	151 B	156	351	295E	177	364	170	159	176E	80.1B	15
16	108 B	117 B	175 B	160	346	287E	815	381	176	168	178E	142 B	16
17	109 B	114 B	182 B	158	449	264E	1 020	367	207	186	176E	144 B	17
18	112 B	95.5B	177 B	166	413	282E	877	347	210	165	176E	128 B	18
19	105 B	83.6B	178 B	155	367	248E	689	327	185	136	152E	125 B	19
20	105 B	84.2B	170 B	153	396	206E	606	349	199	140	171E	115 B	20
21	116 B	87.8B	152 B	127	407	198E	538	334	184	146	176E	157 B	21
22	110 B	96.1B	144 B	139	434	178E	500	312	197	140	178E	124 B	22
23	115 B	96.9B	129 B	163	464	171E	526	308	207	143	167E	127 B	23
24	113 B	97.8B	126 B	211	576	186A	637	311	218	137	165A	139 B	24
25	119 B	100 B	134 B	173	620	175	928	306	209	146	160B	135 B	25
26	121 B	92.9B	139 B	167	585	175	1 160	294	183	152	144B	130 B	26
27	111 B	96.0B	154 B	162	560	158	1 150	298	170	161	151B	227 B	27
28	133 B	81.9B	164 B	152	560	152	917	289	147	161	164B	139 B	28
29	116 B		173 B	165	532	165	719	273	159	166	152B	117 B	29
30	105 B		172 B	145	457	188	715	278	156	171A	138B	94.7B	30
31	105 B		172 B		386		871	280		171E		91.9B	31
TOTAL	3 442.7	2 859.8	3 850.1	4 784	11 747.0	8 221	15 237	14 486	6 456	4 944	4 971	3 984.7	TOTAL
MEAN	111	102	124	159	379	274	492	467	215	159	166	129	MEAN
MAX	133	126	182	211	620	435	1 160	1 080	282	215	188	227	MAX
MIN	99.7	81.9	71.7	112	79.0	152	141	273	147	132	138	80.1	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 233
MAXIMUM DAILY, 1 160 ON JUL 26
MINIMUM DAILY, 71.7B ON MAR 6
MAXIMUM INSTANTANEOUS,
1 220 AT 23:45 MST ON JUL 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 20 N
LONG 113 29 10 W
DRAINAGE AREA, 28 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	297 000	JUL	1 320 000
FEB	247 000	AUG	1 250 000
MAR	333 000	SEP	558 000
APR	413 000	OCT	427 000
MAY	1 010 000	NOV	429 000
JUN	710 000	DEC	344 000

TOTAL DISCHARGE, 7 340 000 dam³

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.30B	5.60B	6.00B	5.20E	18.2E	144	123	218	125	30.6	16.9	9.00E	1
2	9.00B	5.45B	5.95B	5.20E	20.0E	156	133	200	121	38.0	18.7	8.95E	2
3	8.60B	5.30B	5.85B	5.20E	22.0E	163	153	195	96.1	32.9	17.8	8.65E	3
4	8.40B	5.10B	5.80B	5.20E	24.0E	152	186	184	84.2	29.8	17.0	8.45E	4
5	8.20B	4.90B	5.90B	5.20E	25.2A	128	220	181	84.1	27.3	14.8	8.25E	5
6	8.00B	4.70B	5.80B	5.31E	22.3	120	214	189	80.8	25.6	14.6	8.10E	6
7	7.90B	4.50B	5.80B	5.40E	21.0	113	189	203	85.7	24.9	14.6	8.05E	7
8	7.60B	4.30B	5.80B	5.50E	21.0	95.2	158	223	103	24.4	13.9	8.15E	8
9	7.50B	4.20B	5.85B	5.70E	22.1	80.9	185	216	133	23.6	13.3	8.25E	9
10	7.40B	4.08B	5.90B	5.90E	22.8	72.8	205	218	138	22.6	12.5	8.35E	10
11	7.25B	4.05B	6.00B	6.10E	23.5	72.1	186	226	113	21.2	13.0	8.40E	11
12	7.15B	4.03B	6.15B	6.30E	24.0	68.5	163	240	110	20.3	13.2	8.40E	12
13	6.99B	4.00B	6.20B	6.50E	24.9	67.9	145	247	96.0	19.5	13.8	8.40E	13
14	6.85B	4.20B	6.30B	6.75E	27.7	65.7	217	241	81.6	19.1	12.6	8.40E	14
15	6.70B	4.35B	6.35B	6.90E	30.5	73.3	244	237	78.3	18.4	12.7	8.40E	15
16	6.60B	4.50B	6.40B	6.95E	31.2	83.9	221	243	93.9	18.2	11.9 A	7.80E	16
17	6.65B	4.70B	6.30B	7.05E	32.5	79.5	218	240	115	18.0	11.7 E	7.75E	17
18	6.45B	4.85B	6.25B	7.10E	39.4	67.5	224	223	124	17.5	11.5 E	7.60E	18
19	6.40B	5.00B	6.20B	7.15E	52.9	59.3	242	212	141	17.3	11.3 E	7.65E	19
20	6.35B	5.15B	6.10B	7.25E	67.8	55.0	249	217	131	16.5	11.1 E	7.65E	20
21	6.30B	5.35B	6.00B	7.40E	99.6	54.7	255	198	86.8	15.4	10.9 E	7.69E	21
22	6.25B	5.50B	5.95B	7.70E	134	52.2	253	178	67.9	15.3	10.5 E	7.70E	22
23	6.20B	5.63B	5.85B	8.00E	146	50.9	264	177	58.0	15.4	10.1 E	7.60E	23
24	6.15B	5.75B	5.60B	8.30E	152	50.9	248	185	51.3	15.2	10.0 E	7.40E	24
25	6.10B	5.90B	5.50B	8.60E	177	53.4	227	193	46.2	15.1	9.85E	7.30E	25
26	6.13B	6.00B	5.40B	9.00E	210	75.3	215	213	41.9	16.0	9.65E	7.05B	26
27	6.00B	6.05B	5.35B	10.8 E	211	102	225	214	38.3	15.3	9.55E	6.80B	27
28	5.95B	6.10B	5.35B	12.6 E	165	93.5	264	185	36.0	15.3	9.45E	6.70B	28
29	5.90B		5.30B	14.8 E	131	83.8	286	167	33.5	15.8	9.30E	6.40B	29
30	5.80B		5.30B	16.4 E	135	97.1	263	159	31.5	15.0	9.20E	5.95B	30
31	5.70B		5.25B		142		244	138		14.3		5.60B	31
TOTAL	215.77	139.24	181.65	225.46	2 275.6	2 631.4	6 619	6 360	2 626.1	633.8	375.40	240.84	TOTAL
MEAN	6.96	4.97	5.86	7.52	73.4	87.7	214	205	87.5	20.4	12.5	7.77	MEAN
MAX	9.30	6.10	6.40	16.4	211	163	286	247	141	38.0	18.7	9.00	MAX
MIN	5.70	4.00	5.25	5.20	18.2	50.9	123	138	31.5	14.3	9.20	5.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 61.7
MAXIMUM DAILY, 286 ON JUL 29
MINIMUM DAILY, 4.00B ON FEB 13
MAXIMUM INSTANTANEOUS,
293 AT 13:25 MST ON JUL 29

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 10 N
LONG 116 28 20 W
DRAINAGE AREA, 1 920 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 600	JUL	572 000
FEB	12 000	AUG	550 000
MAR	15 700	SEP	227 000
APR	19 500	OCT	54 800
MAY	197 000	NOV	32 400
JUN	227 000	DEC	20 800

TOTAL DISCHARGE, 1 950 000 dam³

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	70.3	67.3	0.352	76.5	137	148	28.3	111	141	101	69.5	111	1
2	72.6	75.1	0.343	76.2	155	148	41.6	121	132	79.0	72.1	110	2
3	73.2	62.6	0.340	76.6	150	149	31.2	113	136	79.5	87.2	107	3
4	71.1	69.9	0.330	76.1	155	148	32.7	120	137	77.8	82.5	105	4
5	75.0	70.9	0.333	63.1	154	149	30.9	110	142	97.4	89.1	108	5
6	72.0	68.9	0.337	72.2	148	149	29.9	106	136	113	98.7	105	6
7	74.2	71.5	0.336	73.2	150	132	32.6	117	117	86.7	105	108	7
8	75.3	70.6	0.335	74.3	149	151	38.3	79.2	111	99.2	104	103	8
9	71.5	70.7	0.331	74.8	148	142	24.1	79.9	117	105	99.0	112	9
10	72.4	70.7	0.329	74.8	140	122	15.7	103	115	121	101	105	10
11	73.7	74.0	0.764	75.3	151	91.5	31.7	139	112	129	77.3	91.0	11
12	73.5	33.5	10.5	75.5	151	111	12.5	140	106	91.8	95.7	95.1	12
13	72.1	3.97	33.3	74.7	150	107	30.4	142	92.1	84.6	105	118	13
14	75.1	0.467	41.6	74.6	150	86.8	27.1	142	111	112	93.9	128	14
15	74.9	5.87	46.7	74.5	148	92.2	24.2	141	123	107	99.7	121	15
16	74.9	74.9	56.5	74.4	146	87.5	21.0	136	111	80.4	80.6	106	16
17	73.5	0.453	62.7	74.4	140	57.0	31.4	138	100	84.5	106	116	17
18	69.7	0.390	73.3	74.4	148	49.5	27.1	136	121	81.8	98.0	93.1	18
19	71.2	0.379	73.0	65.5	148	37.5	10.9	144	111	78.5	104	88.0	19
20	71.4	0.373	73.2	71.1	146	33.3	26.5	146	99.4	56.8	86.0	90.3	20
21	70.7	0.371	73.2	73.3	140	44.1	27.3	146	114	66.7	83.3	88.2	21
22	71.4	0.365	65.4	74.0	145	61.1	18.0	146	124	78.0	88.7	89.9	22
23	71.4	0.360	72.2	74.0	146	52.1	95.1	142	109	78.8	105	91.1	23
24	71.1	0.356	70.6	74.1	134	38.5	85.7	147	104	79.5	106	77.5	24
25	72.8	0.353	74.0	73.7	137	41.5	73.7	146	82.3	72.5	90.8	78.3	25
26	69.8	0.359	76.8	74.2	136	53.0	53.2	145	89.2	83.7	104	86.1	26
27	71.6	0.358	76.4	73.9	149	34.8	42.7	142	89.3	73.8	90.1	80.4	27
28	72.2	0.356	76.1	23.2	149	43.9	46.6	143	85.8	88.9	104	81.8	28
29	68.6		76.5	50.9	146	42.5	33.3	143	76.8	79.4	103	86.2	29
30	71.0		76.5	98.9	149	30.3	60.3	128	79.3	69.2	103	78.6	30
31	70.2		76.1		145		97.8	141		69.0		87.4	31
TOTAL	2 238.4	835.380	1 288.730	2 162.4	4 540	2 633.1	1 177.8	4 033.1	3 324.2	2 705.5	2 830.2	3 046.0	TOTAL
MEAN	72.2	29.8	41.6	72.1	146	87.8	38.0	130	111	87.3	94.3	98.3	MEAN
MAX	75.3	75.1	76.8	98.9	155	151	97.8	147	142	129	106	128	MAX
MIN	68.6	0.353	0.329	23.2	134	30.3	10.9	79.2	76.8	56.8	69.5	77.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 89.4
MAXIMUM DAILY, 155 ON MAY 2
MINIMUM DAILY, 0.329 ON MAR 10
MAXIMUM INSTANTANEOUS,
159 AT 14:30 MDT ON JUL 23

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 18 36 N
LONG 116 19 21 W
DRAINAGE AREA, 3 890 km²

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	193 000	JUL	102 000
FEB	72 200	AUG	348 000
MAR	111 000	SEP	287 000
APR	187 000	OCT	234 000
MAY	392 000	NOV	245 000
JUN	227 000	DEC	263 000

TOTAL DISCHARGE, 2 660 000 dam³

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	2.284	3.406	2.491	4.637	2.975	2.435	---	---	1
2	---	---	---	---	2.636	3.456	2.570	4.445	3.004	2.615	---	---	2
3	---	---	---	---	2.674	3.441	2.717	4.261	3.042	2.466	---	---	3
4	---	---	---	---	2.746	3.421	2.663	4.128	2.995	2.392	---	---	4
5	---	---	---	---	2.749	3.339	2.610	4.049	3.018	2.450	---	---	5
6	---	---	---	---	2.817	3.282	2.602	3.882	3.006	2.458	---	---	6
7	---	---	---	2.333A	3.109	3.197	2.656	3.712	2.965	2.586	---	---	7
8	---	---	---	---	3.203	3.104	2.767	3.590	2.919	2.553	---	---	8
9	---	---	---	---	3.302	3.180	2.684	3.536	2.889	2.569	---	---	9
10	---	---	---	---	3.333	3.131	2.606	3.442	2.780	2.657	---	---	10
11	---	---	---	---	3.369	3.151	2.525	3.370	2.805	2.802	---	---	11
12	---	---	---	---	3.358	3.079	2.453	3.435	2.767	2.716	---	---	12
13	---	---	---	---	3.357	3.069	2.559	3.364	2.695	2.536	---	---	13
14	---	---	---	---	3.332	3.120	2.526	3.348	2.574	2.547	---	---	14
15	---	---	---	---	3.385	3.096	4.464	3.385	2.770	2.715	---	---	15
16	---	---	---	---	3.658	3.149	4.666	3.384	2.784	2.605	---	---	16
17	---	---	---	---	3.557	3.022	4.391	3.269	2.757	2.471	---	---	17
18	---	---	---	---	3.457	2.895	4.037	3.259	2.680	2.481	---	---	18
19	---	---	---	---	3.562	2.836	3.874	3.311	2.715	2.508	---	---	19
20	---	---	---	---	3.597	2.707	3.731	3.257	2.690	2.482	---	---	20
21	---	---	---	---	3.660	2.673	3.673	3.168	2.787	2.504	---	---	21
22	---	---	---	---	3.794	2.654	3.756	3.193	2.817	2.491	---	---	22
23	---	---	---	---	3.954	2.701	3.949	3.181	2.787	2.425	---	---	23
24	---	---	---	---	3.980	2.639	4.498	3.147	2.724	2.546	---	---	24
25	---	---	---	---	3.864	2.585	4.860	3.125	2.663	2.578	---	---	25
26	---	---	---	---	3.822	2.543	4.881	3.158	2.506	2.536	---	---	26
27	---	---	---	---	3.804	2.571	4.447	3.050	2.567	2.567	---	---	27
28	---	---	---	2.460A	3.736	2.637	3.991	3.026	2.568	2.560A	---	---	28
29	---		---	2.485	3.530	2.692	3.902	3.005	2.546	---	---	---	29
30	---		---	2.132	3.366	2.608	4.166	3.015	2.495	---	---	---	30
31	---		---		3.366		4.665	3.010		---		---	31
MEAN	---	---	---	---	3.366	2.979	3.496	3.455	2.776	---	---	---	MEAN
MAX	---	---	---	---	3.980	3.456	4.881	4.637	3.042	---	---	---	MAX
MIN	---	---	---	---	2.284	2.543	2.453	3.005	2.495	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 4.881 ON JUL 26

MAXIMUM INSTANTANEOUS,
5.029 AT 23:30 MST ON JUL 25

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 784.860 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 03 10 N
LONG 115 12 30 W

A - MANUAL GAUGE

REGULATED SINCE 1965

DRAINAGE AREA,
20 500 km²

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	135	271	87.5	603	215	131	---	---	1
2	---	---	---	---	172	281	97.9	543	219	137	---	---	2
3	---	---	---	---	180	275	107	470	208	125	---	---	3
4	---	---	---	---	175	260	97.3	414	210	126	---	---	4
5	---	---	---	---	179	243	100	380	213	121	---	---	5
6	---	---	---	---	187	235	103	333	216	144	---	---	6
7	---	---	---	---	186	220	107	317	200	150	---	---	7
8	---	---	---	---	197	217	122	294	185	130	---	---	8
9	---	---	---	---	210	217	111	264	178	136	---	---	9
10	---	---	---	---	214	213	92.0	249	179	147	---	---	10
11	---	---	---	---	214	204	84.2	270	179	171	---	---	11
12	---	---	---	---	227	175	95.6	282	171	157	---	---	12
13	---	---	---	---	229	187	82.0	275	162	128	---	---	13
14	---	---	---	---	232	194	235	270	158	133	---	---	14
15	---	---	---	---	275	184	480	264	165	144	---	---	15
16	---	---	---	---	300	181	466	263	174	143	---	---	16
17	---	---	---	---	277	164	435	251	157	120	---	---	17
18	---	---	---	---	270	140	370	249	156	120	---	---	18
19	---	---	---	---	299	123	296	243	169	122	---	---	19
20	---	---	---	---	301	106	255	236	176	110	---	---	20
21	---	---	---	---	313	97.7	261	236	162	98.9	---	---	21
22	---	---	---	---	379	103	320	236	177	87.7	---	---	22
23	---	---	---	---	396	117	354	232	184	111	---	---	23
24	---	---	---	---	386	108	560	225	170	112	---	---	24
25	---	---	---	---	352	87.8	606	225	154	116	---	---	25
26	---	---	---	---	349	90.4	538	222	140	112	---	---	26
27	---	---	---	---	342	110	416	221	144	120	---	---	27
28	---	---	---	---	307	99.1	346	218	141	106	---	---	28
29	---		---	---	270	101	351	215	129	124	---	---	29
30	---		---	---	259	95.7	448	218	123	113	---	---	30
31	---		---		260		587	205		106		---	31
TOTAL	---	---	---	---	8 072	5 099.7	8 606.5	8 923	5 214	3 901.6	---	---	TOTAL
MEAN	---	---	---	---	260	170	278	288	174	126	---	---	MEAN
MAX	---	---	---	---	396	281	606	603	219	171	---	---	MAX
MIN	---	---	---	---	135	87.8	82.0	205	123	87.7	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 606 ON JUL 25

MAXIMUM INSTANTANEOUS,
633 AT 07:48 MST ON JUL 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 22 51 N
LONG 114 56 21 W
DRAINAGE AREA, 11 000 km²

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	744 000
FEB	---	AUG	771 000
MAR	---	SEP	450 000
APR	---	OCT	337 000
MAY	697 000	NOV	---
JUN	441 000	DEC	---

NOSE CREEK AT CALGARY - STATION NO. 05BH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.083B	0.240	0.048	0.851	0.262	0.241	0.014	0.029	---	---	1
2	---	---	0.087B	0.171	0.081	0.874	0.113	0.306	0.028	0.031	---	---	2
3	---	---	0.045B	0.147	0.054	0.442	0.087	0.232	0.019	0.031	---	---	3
4	---	---	0.042B	0.116	0.054	0.351	0.086	0.186	0.046	0.029	---	---	4
5	---	---	0.028B	0.107	0.098	0.273	0.091	0.153	0.075	0.034	---	---	5
6	---	---	0.019B	0.097	0.524	0.221	0.076	0.168	0.028	0.035	---	---	6
7	---	---	0.022B	0.083	2.05	0.191	0.255	0.168	0.076	0.036	---	---	7
8	---	---	0.034B	0.071	1.93	0.168	0.140	0.139	0.065	0.061	---	---	8
9	---	---	0.074B	0.071	0.923	0.159	0.088	0.117	0.043	0.059	---	---	9
10	---	---	0.071B	0.064	0.852	0.146	0.086	0.106	0.029	0.075	---	---	10
11	---	---	0.073B	0.061	0.553	0.152	0.112	0.097	0.021	0.054	---	---	11
12	---	---	0.085B	0.061B	0.414	0.148	0.102	0.086	0.016	0.049	---	---	12
13	---	---	0.130B	0.061B	0.320	0.346	0.139	0.075	0.014	0.044	---	---	13
14	---	---	0.158B	0.059	0.272	0.213	0.676	0.081	0.012	0.042A	---	---	14
15	---	---	0.189B	0.058	0.384	0.184	0.379	0.101	0.011	0.042E	---	---	15
16	---	---	0.228B	0.060	0.722	0.163	0.571	0.077	0.012	0.041E	---	---	16
17	---	---	0.204B	0.059	0.628	0.144	0.441	0.084	0.014	0.040E	---	---	17
18	---	---	0.223B	0.059	0.492	0.127	0.534	0.129	0.010	0.040E	---	---	18
19	---	---	0.350B	0.057	0.388	0.133	0.343	0.195	0.334	0.040E	---	---	19
20	---	0.250B	0.320B	0.055	0.367	0.117	0.227	0.064	0.163	0.044E	---	---	20
21	---	0.142B	0.189B	0.056	0.345	0.109	0.189	0.067	0.064	0.040E	---	---	21
22	---	0.131B	0.157B	0.057	0.373	0.105	0.195	0.048	0.071	0.050E	---	---	22
23	---	0.052B	0.154B	0.057	0.312	0.111	0.211	0.034	0.079	0.060E	---	---	23
24	---	0.029B	0.151B	0.063	0.328	0.090	0.748	0.026	0.059	0.075E	---	---	24
25	---	0.027B	0.219B	0.058	0.292	0.080	0.284	0.018	0.060	0.060E	---	---	25
26	---	0.020B	0.204	0.048	0.246	0.084	0.305	0.015	0.063	0.100E	---	---	26
27	---	0.049B	0.200	0.049	0.228	0.275	0.258	0.014	0.050	0.090E	---	---	27
28	---	0.100B	0.193	0.047	0.217	0.113	0.347	0.040	0.040	0.088E	---	---	28
29	---		0.417	0.046	0.188	0.086	0.759	0.012	0.032	0.084A	---	---	29
30	---		0.581	0.048	0.170	0.104	0.449	0.024	0.029	0.080E	---	---	30
31	---		0.290		0.451		0.263	0.012		0.080E		---	31
TOTAL	---	---	5.220	2.286	14.304	6.560	8.816	3.115	1.577	1.663	---	---	TOTAL
MEAN	---	---	0.168	0.076	0.461	0.219	0.284	0.100	0.053	0.054	---	---	MEAN
MAX	---	---	0.581	0.240	2.05	0.874	0.759	0.306	0.334	0.100	---	---	MAX
MIN	---	---	0.019	0.046	0.048	0.080	0.076	0.012	0.010	0.029	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 2.05 ON MAY 7
MINIMUM DAILY, 0.010 ON SEP 18
MAXIMUM INSTANTANEOUS,
5.23 AT 20:30 MST ON JUL 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 07 20 N
LONG 114 02 45 W
DRAINAGE AREA, 894 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	762
FEB	---	AUG	269
MAR	451	SEP	136
APR	198	OCT	144
MAY	1 240	NOV	---
JUN	567	DEC	---

TOTAL DISCHARGE, 3 770 dam³

NOSE CREEK NEAR THE MOUTH - STATION NO. 05BH901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.480	0.122	3.15	2.44	1.04	0.088	0.135	0.146	---	1
2	---	---	---	0.339	0.640	1.37	0.653	0.714	0.153	0.129	0.142A	---	2
3	---	---	---	0.302	0.146	0.807	0.410	0.922	0.091	0.126	---	---	3
4	---	---	---	0.247	0.133	0.590	0.324	0.536	0.128	0.117	---	---	4
5	---	---	---	0.195	0.515	0.418	0.291	0.215	0.443	0.122	---	---	5
6	---	---	---	0.191	5.19	0.352	0.259	0.197	0.095	0.126	---	---	6
7	---	---	---	0.165	7.98	0.298	1.86	0.266	0.098	0.133	---	---	7
8	---	---	---	0.168	3.70	0.316	1.30	0.188	0.141	0.432	---	---	8
9	---	---	---	0.159	1.66	0.616	0.319	0.146	0.112	0.348	---	---	9
10	---	---	---	0.158	1.50	0.590	0.271	0.132	0.106	0.704	---	---	10
11	---	---	---	0.150	1.03	0.629	0.296	0.118	0.101	0.195	---	---	11
12	---	---	0.204A	0.210	0.754	0.224	0.261	0.106	0.099	0.179	---	---	12
13	---	---	0.229	0.201	0.588	1.94	1.09	0.103	0.095	0.158	---	---	13
14	---	---	0.243	0.151	0.605	0.577	3.36	0.107	0.094	0.152	---	---	14
15	---	---	0.271	0.121	1.86	0.377	2.62	0.607	0.092	0.154	---	---	15
16	---	---	0.257	0.110	3.55	0.344	1.54	0.647	0.098	0.151	---	---	16
17	---	---	0.277	0.160	1.11	0.308	1.24	0.372	0.101	0.136	---	---	17
18	---	---	0.251	0.151	0.828	0.243	0.941	0.173	0.111	0.137	---	---	18
19	---	---	0.291	0.148	0.671	0.231	1.64	0.274	2.00	0.131	---	---	19
20	---	---	0.255	0.138	1.01	0.233	0.877	0.130	1.74	0.200	---	---	20
21	---	---	0.274	0.147	0.687	0.250	0.580	0.107	0.151	0.155	---	---	21
22	---	---	0.285	0.135	0.938	0.211	0.595	0.142	0.111	0.130	---	---	22
23	---	---	0.191	0.128	0.503	0.238	0.532	0.095	0.159	0.126	---	---	23
24	---	---	0.184	0.136	0.469	0.237	4.13	0.083	0.200	0.639	---	---	24
25	---	---	0.184	0.157	0.421	0.186	0.931	0.080	0.225	0.213	---	---	25
26	---	---	0.646	0.153	0.349	0.400	0.629	0.070	0.191	0.928	---	---	26
27	---	---	0.240	0.139	0.313	2.91	0.510	0.072	0.149	0.361	---	---	27
28	---	---	0.252	0.121	0.310	0.688	1.80	0.099	0.149	0.232	---	---	28
29	---		1.79	0.114	0.249	0.358	2.57	0.097	0.144	0.193	---	---	29
30	---		3.57	0.109	0.239	0.303	1.26	0.144	0.128	0.168	---	---	30
31	---		0.650		3.34		0.567	0.083		0.150		---	31
TOTAL	---	---	---	5.283	41.410	19.394	36.096	8.065	7.593	7.260	---	---	TOTAL
MEAN	---	---	---	0.176	1.34	0.646	1.16	0.260	0.253	0.234	---	---	MEAN
MAX	---	---	---	0.480	7.98	3.15	4.13	1.04	2.00	0.928	---	---	MAX
MIN	---	---	---	0.109	0.122	0.186	0.259	0.070	0.088	0.117	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 7.98 ON MAY 7

MAXIMUM INSTANTANEOUS,
18.7 AT 20:30 MST ON JUL 14

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 00 N
LONG 114 01 00 W

A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 120
FEB	---	AUG	697
MAR	---	SEP	656
APR	456	OCT	627
MAY	3 580	NOV	---
JUN	1 680	DEC	---

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.050B	0.020B	0.200B	1.17 B	103	22.3	19.3	2.58	0.220	0.245	0.851B	0.556B	1
2	0.040B	0.020B	0.220B	1.20 B	136	21.5	16.6	2.10	0.218	0.220	0.806B	0.532B	2
3	0.030B	0.015B	0.250B	1.37 B	172	18.9	14.2	2.03	0.223	0.242	0.741B	0.508B	3
4	0.020B	0.015B	0.300B	1.31 B	145	17.1	12.1	3.46	0.219	0.289	0.684B	0.484B	4
5	0.040B	0.015B	0.325B	1.34 B	116	14.9	10.3	3.92	0.221	0.296	0.743B	0.460B	5
6	0.050B	0.015B	0.275B	1.68 B	104	13.1	9.12	3.23	0.223	0.264	0.780B	0.436B	6
7	0.050B	0.010B	0.230B	2.09 B	96.0	11.7	7.90	3.25	0.218	0.294	0.610B	0.412B	7
8	0.040B	0.010B	0.160B	1.39 B	92.4	10.9	6.79	2.95	0.217	0.412	0.516B	0.388B	8
9	0.030B	0.010B	0.140B	1.58 B	93.2	9.79	5.88	2.44	0.213	0.499	0.728B	0.364B	9
10	0.020B	0.010B	0.120B	1.43 B	86.4	9.16	5.41	1.99	0.219	0.494	0.688B	0.340B	10
11	0.020B	0.005B	0.106B	0.742B	75.5	8.57	4.91	1.68	0.282	0.517	0.593B	0.316B	11
12	0.020B	0.005B	0.384B	0.647B	67.4	7.87	4.44	1.39	0.332	0.583	0.660B	0.292B	12
13	0.020B	0.005B	0.273B	0.820B	62.0	7.38	4.03	1.21	0.380	0.573	0.745B	0.268B	13
14	0.020B	0.005B	0.326B	0.989B	56.3	7.10	3.75	1.06	0.375	0.603	0.685B	0.240B	14
15	0.020B	0.010B	0.339B	0.995B	52.9	6.73	3.37	0.921	0.341	0.612	0.638B	0.250B	15
16	0.020B	0.050B	0.590B	1.01 B	59.6	6.85	3.18	0.806	0.313	0.625	0.591B	0.260B	16
17	0.020B	0.100B	0.359B	1.20 B	51.0	7.46	3.03	0.692	0.300	0.673	0.556B	0.270B	17
18	0.020B	0.150B	0.168B	1.40 B	43.7	8.71	2.98	0.609	0.274	0.714	0.521B	0.280B	18
19	0.025B	0.200B	0.106B	1.60 B	38.8	11.2	3.01	0.539	0.269	0.763	0.485B	0.285B	19
20	0.030B	0.300B	0.087B	1.79 B	35.5	18.2	3.20	0.461	0.307	0.844	0.450B	0.280B	20
21	0.030B	0.350B	0.090B	3.21 B	32.9	19.8	3.43	0.386	0.274	0.879	0.440B	0.270B	21
22	0.030B	0.400B	0.140B	4.63 B	31.0	18.5	3.50	0.341	0.241	0.830B	0.430B	0.263B	22
23	0.030B	0.400B	0.200B	14.0 B	30.3	16.9	3.66	0.277	0.236	0.740B	0.420B	0.256B	23
24	0.030B	0.350B	0.329B	25.1 B	27.9	25.6	3.50	0.274	0.237	0.663B	0.410B	0.249B	24
25	0.030B	0.300B	0.550B	56.5 B	25.9	31.4	3.26	0.253	0.225	1.04 B	0.400B	0.242B	25
26	0.025B	0.250B	0.770B	87.8 B	24.1	31.2	2.97	0.240	0.312	1.29 B	0.390B	0.235B	26
27	0.025B	0.200B	1.00 B	79.0	23.2	28.1	2.94	0.231	0.239	0.950B	0.400B	0.228B	27
28	0.025B	0.200B	1.05 B	59.6	22.3	24.3	2.95	0.222	0.264	0.799B	0.480B	0.221B	28
29	0.025B		1.08 B	62.5	20.8	21.9	2.82	0.217	0.258	0.885B	0.550B	0.214B	29
30	0.020B		1.12 B	90.1	19.2	20.4	2.50	0.214	0.266	0.788B	0.580B	0.207B	30
31	0.020B		1.14 B		18.5		2.51	0.212		0.917B		0.200B	31
TOTAL	0.875	3.420	12.427	508.193	1 962.8	477.52	177.54	40.185	7.916	19.503	17.571	9.806	TOTAL
MEAN	0.028	0.122	0.401	16.9	63.3	15.9	5.73	1.30	0.264	0.629	0.586	0.316	MEAN
MAX	0.050	0.400	1.14	90.1	172	31.4	19.3	3.92	0.380	1.29	0.851	0.556	MAX
MIN	0.020	0.005	0.087	0.647	18.5	6.73	2.50	0.212	0.213	0.220	0.390	0.200	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.87
MAXIMUM DAILY, 172 ON MAY 3
MINIMUM DAILY, 0.005B ON FEB 11
MAXIMUM INSTANTANEOUS,
175 AT 12:00 MST ON MAY 3

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 55 10 N
LONG 117 37 05 W
DRAINAGE AREA, 4 630 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	75.6	JUL	15 300
FEB	295	AUG	3 470
MAR	1 070	SEP	684
APR	43 900	OCT	1 690
MAY	170 000	NOV	1 520
JUN	41 300	DEC	847

TOTAL DISCHARGE, 280 000 dam³

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.4	9.15B	11.4B	17.0	105	227	126	39.9	16.8	12.1	9.97	7.35B	1
2	26.3	9.00B	11.5B	16.6	141	204	121	37.8	17.4	11.8	9.95	10.1 B	2
3	24.4 B	8.95B	12.1B	16.0	117	189	110	36.5	17.4	14.0	9.84	9.90B	3
4	22.5 B	8.90B	12.6B	15.8	98.9	182	107	35.7	16.7	13.6	9.64	9.60B	4
5	20.2 B	8.85B	12.6B	15.3	96.7	172	104	34.3	16.3	12.8	9.62	9.00B	5
6	18.8 B	8.80B	12.3B	16.0	93.5	160	101	32.2	16.0	12.2	9.04	10.5 B	6
7	17.6 B	8.80B	11.3B	15.4	86.1	156	94.5	30.2	15.5	12.1	9.10	9.10B	7
8	16.5 B	8.80B	11.5B	15.3	92.1	144	86.7	32.9	14.7	11.9	9.43	8.80B	8
9	15.5 B	8.80B	11.0B	15.5	97.8	130	75.8	32.9	14.1	11.7	9.30	8.60B	9
10	14.6 B	8.80B	10.9	15.5	97.7	120	70.4	30.4	13.5	11.5	9.30	9.30B	10
11	13.8 B	9.00B	11.6	14.9	93.9	110	70.2	28.7	13.3	11.7	8.97	7.80B	11
12	13.1 B	10.0 B	11.9	14.1	86.9	102	64.1	27.3	13.1	12.5	9.05	6.00B	12
13	12.6 B	13.0 B	12.3	12.9	83.1	146	65.4	27.7	12.9	12.1	9.15	4.80B	13
14	12.0 B	17.0 B	12.8	12.6	87.2	221	66.3	28.7	12.8	11.6	9.42	4.25B	14
15	11.5 B	21.0 B	13.3	13.0	135	193	61.8	31.8	13.1	12.0	9.22	5.60B	15
16	10.9 B	24.0 B	13.9	15.0	208	203	60.7	28.6	12.8	11.8	9.26	6.88B	16
17	10.4 B	21.0 B	14.7	18.4	179	209	59.3	27.9	12.5	11.7	9.43	6.50B	17
18	12.0 B	19.1 B	14.1	20.2	191	191	56.6	26.0	12.3	11.5	9.50	6.20B	18
19	14.5 B	17.3 B	12.2	23.0	238	169	52.3	24.3	11.9	11.3	8.75	7.50B	19
20	12.9 B	16.0 B	10.8B	26.2	302	158	50.1	23.3	11.9	11.7	8.12B	9.30B	20
21	12.0 B	15.5 B	11.2B	35.6	354	154	48.6	22.3	11.9	11.2	8.50B	8.25B	21
22	11.5 B	15.0 B	12.0B	41.9	477	145	48.6	21.6	12.1	10.2	9.00B	7.50B	22
23	12.3 B	14.7 B	12.8B	47.1	457	136	48.0	20.9	12.1	10.1	8.40B	6.70B	23
24	13.5 B	14.2 B	13.5	79.2	403	131	51.0	19.9	12.0	11.0	7.42	6.20B	24
25	11.9 B	12.7 B	13.8	96.3	395	122	59.4	19.2	12.0	11.0	4.49	5.75B	25
26	11.1 B	12.0 B	14.5	78.9	435	122	61.3	19.1	12.6	10.7	1.98	5.45B	26
27	10.5 B	11.9 B	14.8	69.4	376	134	52.9	19.0	12.9	10.8	2.50B	5.20B	27
28	10.1 B	11.6 B	14.3	67.2	321	142	50.0	18.9	12.9	10.9	3.35B	4.95B	28
29	9.70B		14.2	72.0	280	126	49.2	17.7	13.1	10.8	4.30B	4.75B	29
30	9.50B		16.8	74.6	257	121	46.1	17.3	12.9	10.5	5.60B	4.55B	30
31	9.30B		17.4		245		42.8	17.5		10.0		4.40B	31
TOTAL	451.90	365.85	400.1	990.9	6 629.9	4 719	2 161.1	830.5	409.5	358.8	241.60	220.74	TOTAL
MEAN	14.6	13.1	12.9	33.0	214	157	69.7	26.8	13.7	11.6	8.05	7.12	MEAN
MAX	30.4	24.0	17.4	96.3	477	227	126	39.9	17.4	14.0	9.97	10.5	MAX
MIN	9.30	8.80	10.8	12.6	83.1	102	42.8	17.3	11.9	10.0	1.98	4.25	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 48.7
MAXIMUM DAILY, 477 ON MAY 22
MINIMUM DAILY, 1.98 ON NOV 26
MAXIMUM INSTANTANEOUS,
519 AT 14:30 MST ON MAY 22

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 27 N
LONG 113 49 20 W
DRAINAGE AREA, 4 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	39 000	JUL	187 000
FEB	31 600	AUG	71 800
MAR	34 600	SEP	35 400
APR	85 600	OCT	31 000
MAY	573 000	NOV	20 900
JUN	408 000	DEC	19 100

TOTAL DISCHARGE, 1 540 000 dam³

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	84.0B	27.5B	30.1	31.8	60.5	467	180 A	44.9	17.0	11.5	29.2	9.00B	1
2	82.0B	26.5B	28.9	31.1	77.9	430	180 A	46.5	16.4	11.2	31.0	9.60B	2
3	80.0B	26.5B	27.7	29.5	115	385	175 A	49.2	16.4	10.8	30.8	10.0 B	3
4	78.0B	26.0B	27.3	27.7	107	354	161 E	45.2	16.8	10.4	34.6	9.80B	4
5	76.0B	25.5B	27.6	26.5	94.5	332	146 A	46.8	16.8	10.0	37.4	9.70B	5
6	74.2B	24.5B	27.9	25.1	88.3	308	140 A	45.9	16.1	10.7	33.0	10.0 B	6
7	73.0B	24.2B	26.6	23.7	122	287	132 A	48.8	15.7	11.0	29.4	10.2 B	7
8	70.0B	24.0B	26.0	23.4	140	279	123	74.1	15.5	10.6	26.0	10.0 B	8
9	66.0B	23.8B	24.4	22.2	155	265	112	52.0	14.5	10.2	23.3	9.80B	9
10	63.0B	23.8B	25.9A	21.3	172	240	103	43.1	13.2	10.3	22.0	9.60B	10
11	61.0B	23.6B	24.9A	20.7	165	233	95.8	39.9	12.3	11.1	21.8	9.40B	11
12	58.0B	23.5B	26.1	20.3	148	205	93.3	36.6	12.2	11.6	22.5	9.40B	12
13	56.0B	23.4B	25.9	19.6	127	205	90.9	33.2	11.9	11.6	22.2	9.40B	13
14	54.0B	23.5B	22.3	18.5	111	387	88.5	31.0	11.7	11.3	22.6	9.40B	14
15	52.0B	24.0B	22.2	17.4	110	659	77.0	32.3	11.6	10.9	22.6	9.40B	15
16	50.0B	30.0B	22.3	16.8A	242	516	68.3	33.1	11.0	11.7	22.3	9.40B	16
17	48.0B	45.0B	24.5	16.0E	518	465	63.0	35.5	10.5	11.8	22.3	9.50B	17
18	46.0B	56.0B	25.5	15.4A	609	439	59.3	32.9	10.2	11.8	23.1	9.70B	18
19	44.0B	60.5A	25.9	17.5E	486	399	57.3	32.4	10.1	11.2	21.9	10.0 B	19
20	47.0B	57.0E	24.6	20.4A	517	331	53.9	29.1	10.6	10.4	21.2	9.80B	20
21	46.0B	53.4A	17.9	24.6A	514	312	49.6	26.7	10.1	10.4	17.8 B	9.60B	21
22	44.0B	49.1E	18.1	26.6A	676	303	49.9	25.5	9.38	11.7	15.2 B	9.40B	22
23	41.0B	44.7A	19.5	29.5E	1 090	259	50.3	24.8	9.65	16.1	13.8 B	9.00B	23
24	39.0B	42.0E	22.1	33.8A	1 100	242A	55.3	24.1	9.81	16.7	12.6 B	8.60B	24
25	37.0B	39.3A	22.0	54.0E	982	221A	56.1	21.0	10.3	17.0	11.8 B	8.00B	25
26	34.0B	32.4A	22.9	89.3A	904	206A	58.8	19.6	10.1	17.9	11.0 B	7.50B	26
27	32.2B	33.5	24.0	84.4A	897	178A	67.2	19.2	9.91	18.1	9.80B	7.40B	27
28	31.0B	31.8	25.8	71.4A	800	193A	58.3	18.8	10.2	18.0	8.60B	7.00B	28
29	29.5B		26.8	62.4	681	205A	55.3	18.0	10.5	21.3	8.80B	6.40B	29
30	28.5B		29.7	61.0	579	185A	55.0	17.6	11.0	23.2	9.00B	5.70B	30
31	28.0B		30.1		518		49.6	17.2		23.1		5.30B	31
TOTAL	1 652.4	945.0	775.5	981.9	12 906.2	9 490	2 804.7	1 065.0	371.45	413.6	637.60	277.00	TOTAL
MEAN	53.3	33.8	25.0	32.7	416	316	90.5	34.4	12.4	13.3	21.3	8.94	MEAN
MAX	84.0	60.5	30.1	89.3	1 100	659	180	74.1	17.0	23.2	37.4	10.2	MAX
MIN	28.0	23.4	17.9	15.4	60.5	178	49.6	17.2	9.38	10.0	8.60	5.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.5
MAXIMUM DAILY, 1 100 ON MAY 24
MINIMUM DAILY, 5.30B ON DEC 31
MAXIMUM INSTANTANEOUS,
1 170 AT 13:00 MST ON MAY 23

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 30 N
LONG 112 52 30 W
DRAINAGE AREA, 17 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1910

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	143 000	JUL	242 000
FEB	81 600	AUG	92 000
MAR	67 000	SEP	32 100
APR	84 800	OCT	35 700
MAY	1 120 000	NOV	55 100
JUN	820 000	DEC	23 900

TOTAL DISCHARGE, 2 800 000 dam³

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.30B	2.71B	2.80B	4.49	33.8	84.2	44.4	18.6	7.44	4.66	4.13	3.40 B	1
2	7.20B	2.67B	2.90B	4.22	36.0	78.1	39.6	13.8	7.56	5.06	4.10	3.80 B	2
3	6.40B	2.62B	3.10B	4.17	27.0	72.9	36.4	13.7	7.41	5.57	4.06	3.40 B	3
4	5.80B	2.58B	3.05B	3.86	23.4	64.8	35.8	13.5	7.12	4.87	4.01	3.50 B	4
5	5.45B	2.56B	2.98B	3.91	22.4	56.9	34.1	12.9	6.99	4.57	3.66B	3.75 B	5
6	5.10B	2.54B	2.92B	3.74	21.9	52.4	32.0	11.7	6.70	4.66	3.58B	4.10 B	6
7	4.80B	2.52B	2.90B	3.45	20.3	49.3	29.0	11.0	6.43	4.59	3.91B	3.75 B	7
8	4.55B	2.51B	2.93B	3.57	22.9	43.6	25.8	16.7	6.17	4.59	3.99B	3.35 B	8
9	4.25B	2.50B	3.00B	3.80	25.4	39.1	22.9	14.1	5.96	4.53	3.96	3.85 B	9
10	4.00B	2.52B	3.08B	3.40	28.8	35.3	23.5	12.7	5.80	4.51	3.74	4.20 B	10
11	3.80B	2.63B	3.20B	3.45	24.7A	32.0	22.2	11.8	5.67	4.60	3.90	3.10 B	11
12	3.60B	2.82B	3.30B	3.51	22.2A	30.4	20.0	11.2	5.57	4.67	3.87	2.20 B	12
13	3.45B	3.20B	3.42B	3.32	21.1A	47.4	21.6	13.8	5.49	4.36	3.87	2.10 B	13
14	3.30B	3.70B	3.55B	3.30	26.0E	73.2	21.3	12.7	5.47	4.63	3.76	2.12 B	14
15	3.18B	4.10B	3.75B	3.73	54.6A	75.7	19.5	13.8	5.39	4.58	3.78	2.19 B	15
16	3.06B	3.72B	3.90B	4.76	40.1A	84.1	19.8	11.7	5.26	4.56	3.79	2.28 B	16
17	2.99B	3.50B	4.00B	5.22	36.3A	83.3	18.8	11.6	5.14	4.57	3.77	2.40 B	17
18	3.25B	3.30B	3.75B	5.60	44.6A	71.9	17.7	10.8	5.05	4.48	3.35B	2.65 B	18
19	4.00B	3.20B	3.45B	6.66	54.6A	60.3	16.6	10.2	4.97	4.46	3.00B	3.10 B	19
20	3.50B	3.12B	3.05B	7.93	114 A	53.9	16.3	9.80	4.99	4.50	2.82B	3.50 B	20
21	3.35B	3.05B	3.12B	12.2	135 A	50.1	15.4	9.47	5.02	4.08	2.70B	2.90 B	21
22	3.25B	2.98B	3.28B	11.7	140 A	46.0	16.2	9.15	4.97	3.98	2.50B	2.40 B	22
23	3.75B	2.92B	3.45B	14.7	143	44.1	16.6	8.82	4.88	4.30	2.35B	2.05 B	23
24	3.55B	2.88B	3.65B	27.3	135	40.6	17.8	8.50	4.80	4.59	2.30B	1.80 B	24
25	3.35B	2.84B	3.85	22.5	144	37.0	22.6	8.29	4.81	4.34	2.27B	1.45 B	25
26	3.15B	2.81B	4.18	16.8	182	38.2	21.3	8.05	5.06	4.43	2.24B	1.25 B	26
27	3.08B	2.79B	3.88	15.4	144	46.5	18.8	8.76	4.92	4.53	2.30B	1.10 B	27
28	2.97B	2.78B	3.96	16.1	117	47.4	18.9	8.02	4.91	4.48	2.40B	0.950B	28
29	2.90B		4.16	16.9	97.1	41.5	19.1	7.70	4.94	4.38	2.80B	0.850B	29
30	2.83B		4.59	18.8	87.9	41.0	16.9	7.70	4.78	4.21	2.96B	0.750B	30
31	2.78B		4.47		83.9		15.6	7.84		4.09		0.700B	31
TOTAL	124.94	82.07	107.62	258.49	2 109.0	1 621.2	716.5	344.40	169.67	140.43	99.87	78.940	TOTAL
MEAN	4.03	2.93	3.47	8.62	68.0	54.0	23.1	11.1	5.66	4.53	3.33	2.55	MEAN
MAX	8.30	4.10	4.59	27.3	182	84.2	44.4	16.7	7.56	5.57	4.13	4.20	MAX
MIN	2.78	2.50	2.80	3.30	20.3	30.4	15.4	7.70	4.78	3.98	2.24	0.700	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.0
MAXIMUM DAILY, 182 ON MAY 26
MINIMUM DAILY, 0.700B ON DEC 31
MAXIMUM INSTANTANEOUS,
221 AT 02:10 MST ON MAY 26

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 50 N
LONG 114 11 00 W
DRAINAGE AREA, 1 450 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 800	JUL	61 900
FEB	7 090	AUG	29 800
MAR	9 300	SEP	14 700
APR	22 300	OCT	12 100
MAY	182 000	NOV	8 630
JUN	140 000	DEC	6 220

TOTAL DISCHARGE, 505 000 dam³

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.057B	2.00	0.178	1.25	4.93	5.11	2.93	2.85	1.94	---	1
2	---	---	0.082B	1.51	0.175	1.36	5.37	4.53	2.75	2.95	1.61	---	2
3	---	---	0.080B	0.811	0.174	1.72	4.38	4.31	2.85	3.11	1.22	---	3
4	---	---	0.072B	0.433	0.197	1.75	3.29	3.73	2.74	3.04	0.627A	---	4
5	---	---	0.060B	0.365	0.232	1.74	2.84	3.70	2.74	3.04	---	---	5
6	---	---	0.050B	0.306	0.561	2.04	3.00	3.50	2.84	3.86	---	---	6
7	---	---	0.038B	0.286	0.772	1.95	2.65	3.47	2.72	3.64	---	---	7
8	---	---	0.024B	0.267	0.413	2.14	2.34	3.24	2.52	3.42	---	---	8
9	---	---	0.014B	0.262	0.212	2.09	2.32	3.03	2.50	3.40	---	---	9
10	---	---	0 B	0.253	0.140	1.98	2.36	2.82	2.41	3.28	---	---	10
11	---	---	0.022B	0.253	0.140	2.54	2.49	2.16	2.75	3.75	---	---	11
12	---	---	0.046B	0.248	0.149	2.81	2.62	2.36	2.91	3.91	---	---	12
13	---	---	0.023B	0.242	0.151	5.39	3.29	2.37	3.09	3.85	---	---	13
14	---	---	0.072B	0.218	0.154	7.63	4.13	2.78	3.25	3.72	---	---	14
15	---	---	0.130B	0.205	0.279	6.45	4.18	2.75	3.10	3.63	---	---	15
16	---	---	0.100B	0.198	0.636	5.16	4.51	2.88	3.12	3.82	---	---	16
17	---	---	0.060B	0.195	1.06	4.34	4.44	3.15	2.95	3.77	---	---	17
18	---	---	0.095B	0.191	0.674	4.06	4.41	3.26	3.32	3.06	---	---	18
19	---	---	0.132B	0.190	0.473	3.86	4.40	2.98	3.21	2.68	---	---	19
20	---	---	0.110B	0.188	0.672	3.53	3.62	2.97	3.29	2.45	---	---	20
21	---	---	0.100B	0.187	0.902	3.50	3.04	3.24	3.31	2.35	---	---	21
22	---	---	0.090B	0.187	1.11	3.33	2.80	2.85	3.34	1.82	---	---	22
23	---	---	0.086B	0.187	1.19	2.85	2.87	2.94	3.29	1.45	---	---	23
24	---	---	0.091B	0.187	1.19	2.29	3.14	3.03	3.16	1.25	---	---	24
25	---	---	0.300B	0.184	1.20	2.00	2.97	3.10	3.02	1.15	---	---	25
26	---	---	2.50 B	0.183	1.10	1.75	3.21	3.04	3.10	1.03	---	---	26
27	---	---	4.20 B	0.183	1.26	2.23	3.33	2.77	3.17	1.26	---	---	27
28	---	---	3.30 B	0.181	1.19	2.91	3.13	2.49	2.97	3.03	---	---	28
29	---		3.26	0.182	1.44	3.51	3.48	2.63	2.79	2.59	---	---	29
30	---		2.86	0.181	1.47	3.46	3.60	2.91	2.89	2.44	---	---	30
31	---		2.38		1.44		4.12	3.09		2.21		---	31
TOTAL	---	---	20.434	10.463	20.934	91.62	107.26	97.19	89.03	87.81	---	---	TOTAL
MEAN	---	---	0.659	0.349	0.675	3.05	3.46	3.14	2.97	2.83	---	---	MEAN
MAX	---	---	4.20	2.00	1.47	7.63	5.37	5.11	3.34	3.91	---	---	MAX
MIN	---	---	0	0.181	0.140	1.25	2.32	2.16	2.41	1.03	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.68
MAXIMUM DAILY, 7.63 ON JUN 14
MINIMUM DAILY, 0.140 ON MAY 10
MAXIMUM INSTANTANEOUS,
8.70 AT 04:10 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 00 N
LONG 111 41 15 W
DRAINAGE AREA, 495 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9 270
FEB	---	AUG	8 400
MAR	1 770	SEP	7 690
APR	904	OCT	7 590
MAY	1 810	NOV	---
JUN	7 920	DEC	---

TOTAL DISCHARGE, 42 700 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.40 B	31.7 B	5.96	5.79	0.810	15.8	0.235	0.139	---	---	1
2	---	---	1.48 B	29.4 B	5.38	21.5	0.677	10.6	0.198	0.156	---	---	2
3	---	---	1.56 B	29.5 B	5.03	40.5	0.576	8.93	0.231	0.120	---	---	3
4	---	---	1.67 B	23.5 B	4.98	28.7	0.430	5.70	0.448	0.166	---	---	4
5	---	---	1.19 B	20.7 B	4.91	17.1	0.389	3.81	0.365	0.065	---	---	5
6	---	---	1.00 B	18.2 B	4.66	12.4	0.380	3.12	0.274	0.088	---	---	6
7	---	---	1.18 B	15.3	4.91	8.86	0.700	2.32	0.231	0.188	---	---	7
8	---	---	1.04 B	13.6	4.78	6.79	0.423	1.80	0.210	0.495	---	---	8
9	---	---	0.995B	12.2	5.85	5.20	0.291	1.41	0.229	0.178	---	---	9
10	---	---	0.764B	10.5	7.30	4.05	0.446	1.14	0.204	0.097	---	---	10
11	---	---	0.600B	9.22	6.67	3.49	0.363	0.961	0.189	0.063	---	---	11
12	---	---	0.565B	6.32	6.08	2.92	0.501	0.958	0.171	0.053	---	---	12
13	---	---	0.652B	7.50	5.72	2.57	0.410	0.707	0.147	0.103	---	---	13
14	---	---	4.60 B	7.73	4.99	2.28	0.405	0.530	0.125	0.175	---	---	14
15	---	---	6.43 B	6.48	4.41	2.53	0.542	0.387	0.105	0.273	---	---	15
16	---	---	6.47 B	6.01	4.16	2.76	0.422	0.289	0.107	0.278	---	---	16
17	---	---	9.03 B	6.51	3.96	2.52	0.612	0.224	0.120	0.251	---	---	17
18	---	---	12.3 B	6.88	3.84	2.03	0.547	0.181	0.133	0.269	---	---	18
19	---	---	16.9 B	7.39	3.63	2.05	1.31	0.205	0.203	0.172	---	---	19
20	---	---	16.4 B	6.42	3.52	2.02	1.33	0.217	0.351	0.180	---	---	20
21	---	---	12.6 B	6.57	3.28	1.97	1.02	0.317	0.176	0.279	---	---	21
22	---	---	9.12 B	6.56	3.24	2.10	0.756	0.253	0.297	0.185	---	---	22
23	---	---	9.39 B	6.52	3.17	2.28	2.93	0.160	0.145	0.202	---	---	23
24	---	---	7.02 B	6.69	2.73	2.16	5.42	0.106	0.052	0.235	---	---	24
25	---	---	5.09 B	6.92	2.78	1.79	4.83	0.067	0.082	0.280	---	---	25
26	---	---	7.98 B	8.16	2.97	1.65	4.13	0.056	0.088	0.199	---	---	26
27	---	---	12.8 B	9.30	3.55	1.51	3.07	0.074	0.166	0.234A	---	---	27
28	---	---	22.0 B	8.11	3.18	1.38	2.25	0.074	0.214	0.238E	---	---	28
29	---		26.7 B	6.77	2.87	1.21	1.85	0.254	0.187	0.240E	---	---	29
30	---		26.7 B	6.11	6.04	0.863	1.65	0.370	0.154	0.241E	---	---	30
31	---		33.9 B		7.67		9.99	0.244		0.242E		---	31
TOTAL	---	---	259.526	346.77	142.22	192.973	49.462	61.264	5.837	6.084	---	---	TOTAL
MEAN	---	---	8.37	11.6	4.59	6.43	1.60	1.98	0.195	0.196	---	---	MEAN
MAX	---	---	33.9	31.7	7.67	40.5	9.99	15.8	0.448	0.495	---	---	MAX
MIN	---	---	0.565	6.01	2.73	0.863	0.293	0.056	0.052	0.053	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.34
MAXIMUM DAILY, 40.5 ON JUN 3
MINIMUM DAILY, 0.052 ON SEP 24
MAXIMUM INSTANTANEOUS,
42.4 AT 16:40 MST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 06 45 N
LONG 114 23 55 W
DRAINAGE AREA, 2 390 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 270
FEB	---	AUG	5 290
MAR	22 400	SEP	504
APR	30 000	OCT	526
MAY	12 300	NOV	---
JUN	16 700	DEC	---

TOTAL DISCHARGE, 92 000 dam³

PADDLE RIVER AT HIGHWAY NO. 764 - STATION NO. 07BB013

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	6.755	4.602	4.805	4.092	5.139	3.969	---	---	---	1
2	---	---	---	6.537	4.550	6.430	4.082	4.941	4.000	---	---	---	2
3	---	---	---	6.295	4.539	6.712	4.056	4.700	4.027	---	---	---	3
4	---	---	4.998	6.052	4.538	5.752	4.050	4.468	4.007	3.942	---	---	4
5	---	---	4.990	5.496	4.508	5.323	4.045	4.349	3.990	3.949	---	---	5
6	---	---	4.893	5.287	4.518	4.989	4.034	4.285	3.978	3.951	---	---	6
7	---	---	4.817	5.108	4.527	4.785	4.051	4.209	3.978	---	---	---	7
8	---	---	4.776	5.062	4.542	4.620	4.030	4.150	3.969	---	---	---	8
9	---	---	4.720	4.959	4.702	4.506	4.033	4.108	3.964	---	---	---	9
10	---	---	4.725	4.846	4.716	4.429	4.041	4.075	3.958	---	---	---	10
11	---	---	4.729	4.774	4.648	4.374	4.057	4.079	3.942	---	---	---	11
12	---	---	4.747	4.954	4.606	4.337	4.037	4.045	3.929	---	---	---	12
13	---	---	5.509	4.945	4.582	4.310	4.023	4.010	3.929	---	---	---	13
14	---	---	6.383	4.601	4.502	4.308	4.022	4.014	3.930	---	---	---	14
15	---	---	6.652	4.557	4.463	4.311	4.018	4.000	3.923	---	---	---	15
16	---	---	6.928	4.589	4.449	4.299	4.048	3.992	3.919	---	---	---	16
17	---	---	7.214	4.622	4.444	4.258	4.041	3.981	3.924	---	---	---	17
18	---	---	7.310	4.706	4.424	4.251	4.142	3.981	3.929	---	---	---	18
19	---	---	7.183	4.677	4.403	4.260	4.140	3.985	3.930	---	---	---	19
20	---	---	6.988	4.630	4.386	4.252	4.098	3.984	3.945	---	---	---	20
21	---	---	6.721	4.672	4.358	4.261	4.064	3.971	3.929	---	---	---	21
22	---	---	6.560	4.676	4.373	4.295	4.206	3.959	3.924	---	---	---	22
23	---	---	6.280	4.675	4.336	4.296	4.498	3.956	3.942	---	---	---	23
24	---	---	5.986	4.657	4.318	4.265	4.579	3.956	3.937	---	---	---	24
25	---	---	5.945	4.725	4.335	4.228	4.497	3.954	3.940	---	---	---	25
26	---	---	6.211	4.888	4.384	4.211	4.411	3.953	3.979	---	---	---	26
27	---	---	6.695	4.857	4.383	4.195	4.295	3.950	3.966	4.000A	---	---	27
28	---	---	7.004	4.743	4.335	4.176	4.228	3.937	3.960	---	---	---	28
29	---		7.069	4.659	4.411	4.120	4.182	3.946	---	---	---	---	29
30	---		7.041	4.640	4.807	4.107	4.341	3.980	---	---	---	---	30
31	---		6.935		4.660		5.420	3.974		---		---	31
MEAN	---	---	---	5.021	4.495	4.582	4.189	4.130	---	---	---	---	MEAN
MAX	---	---	---	6.755	4.807	6.712	5.420	5.139	---	---	---	---	MAX
MIN	---	---	---	4.557	4.318	4.107	4.018	3.937	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 7.310 ON MAR 18

MAXIMUM INSTANTANEOUS,
7.370 AT 03:10 MST ON MAR 18

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 02 54 N
LONG 114 40 12 W

A - MANUAL GAUGE

NATURAL FLOW

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.170B	2.02 B	1.47	31.7	0.357	2.27	0.161	0.140	---	---	1
2	---	---	0.173B	1.91 B	1.50	16.5	0.366	1.29	0.130	0.141	---	---	2
3	---	---	0.175B	1.68 B	1.43	7.50	0.302	0.870	0.119	0.137	---	---	3
4	---	---	0.233B	1.58 B	1.41	5.03	0.270	0.614	0.091	0.123	---	---	4
5	---	---	0.226B	1.58 B	1.57	3.09	0.210	0.500	0.082	0.112	---	---	5
6	---	---	0.180B	1.76 B	1.40	2.32	0.191	0.371	0.069	0.106	---	---	6
7	---	---	0.140B	1.86 B	1.71	1.97	0.362	0.317	0.066	0.100	---	---	7
8	---	---	0.152B	1.65 B	2.33	1.66	0.554	0.279	0.052	0.104	---	---	8
9	---	---	0.287B	1.50 B	2.06	1.44	0.472	0.247	0.031	0.122	---	---	9
10	---	---	0.498B	1.47 B	1.82	1.40	0.363	0.245	0.033	0.129	---	---	10
11	---	---	1.32 B	1.27 B	1.77	1.28	0.249	0.212	0.072	0.125	---	---	11
12	---	---	1.57 B	1.05 B	1.51	1.16	0.195	0.191	0.024	0.109	---	---	12
13	---	---	1.32 B	0.796B	1.36	1.44	0.201	0.208	0.014	0.099	---	---	13
14	---	---	1.87 B	0.671B	1.25	1.07	0.178	0.194	0.048	0.104	---	---	14
15	---	---	1.92 B	0.821B	1.21	0.904	0.350	0.215	0.064	0.104	---	---	15
16	---	---	1.94 B	1.11 B	1.13	0.839	0.539	0.226	0.052	0.098	---	---	16
17	---	---	1.81 B	1.38 B	1.10	0.922	0.495	0.211	0.060	0.096	---	---	17
18	---	---	1.55 B	1.38 B	1.02	0.870	0.385	0.189	0.064	0.092	---	---	18
19	---	---	0.999B	1.55 B	0.974	0.854	0.296	0.182	0.138	0.092	---	---	19
20	---	---	0.655B	1.63 B	0.969	0.969	0.192	0.183	0.102	0.094	---	---	20
21	---	---	0.351B	1.80	0.907	1.09	0.564	0.173	0.097	0.095	---	---	21
22	---	---	0.120B	1.78	0.956	0.911	0.915	0.168	0.152	0.094	---	---	22
23	---	---	0.082B	1.81	1.10	0.807	1.03	0.154	0.137	0.094	---	---	23
24	---	---	0.103B	2.02	1.34	0.842	0.997	0.124	0.155	0.107	---	---	24
25	---	---	0.343B	2.20	1.47	0.766	0.750	0.103	0.138	0.126	---	---	25
26	---	---	1.04 B	2.09	1.26	0.669	0.597	0.092	0.120	0.139	---	---	26
27	---	---	1.62 B	1.79	1.32	0.543	0.549	0.091	0.127	0.132	---	---	27
28	---	---	1.67 B	1.66	2.86	0.493	0.643	0.107	0.119	0.120	---	---	28
29	---		1.72 B	1.65	4.13	0.504	1.36	0.093	0.126	0.117A	---	---	29
30	---		1.86 B	1.54	2.66	0.447	2.94	0.159	0.145	0.115E	---	---	30
31	---		2.03 B		9.78		2.09	0.217		0.113E		---	31
TOTAL	---	---	28.127	47.008	56.776	89.990	18.962	10.495	2.788	3.479	---	---	TOTAL
MEAN	---	---	0.907	1.57	1.83	3.00	0.612	0.339	0.093	0.112	---	---	MEAN
MAX	---	---	2.03	2.20	9.78	31.7	2.94	2.27	0.161	0.141	---	---	MAX
MIN	---	---	0.082	0.671	0.907	0.447	0.178	0.091	0.014	0.092	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.05
MAXIMUM DAILY, 31.7 ON JUN 1
MINIMUM DAILY, 0.014 ON SEP 13
MAXIMUM INSTANTANEOUS,
34.2 AT 09:20 MST ON JUN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 51 29 N
LONG 115 21 45 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 640
FEB	---	AUG	907
MAR	2 430	SEP	241
APR	4 060	OCT	301
MAY	4 910	NOV	---
JUN	7 780	DEC	---

TOTAL DISCHARGE, 22 300 dam³

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.500B	4.56 B	2.20	29.2	0.427	8.12	0.526	0.155	---	---	1
2	---	---	0.520B	4.30 B	2.09	38.0	0.335	6.10	0.380	0.171	---	---	2
3	---	---	0.470B	3.71 B	2.24	22.2	0.353	3.73	0.289	0.170	---	---	3
4	---	---	0.420B	2.59 B	2.14	15.0	0.281	2.36	0.278	0.174	---	---	4
5	---	---	0.390B	2.02 B	2.24	9.26	0.244	1.53	0.261	0.194	---	---	5
6	---	---	0.390B	1.82 B	2.29	5.90	0.218	1.17	0.210	0.206	---	---	6
7	---	---	0.380B	1.89 B	2.26	4.62	0.256	0.899	0.184	0.155	---	---	7
8	---	---	0.410B	2.17 B	3.93	3.70	0.293	0.691	0.140	0.194	---	---	8
9	---	---	0.490B	2.14 B	4.73	2.77	0.551	0.509	0.121	0.230	---	---	9
10	---	---	0.595B	1.87 B	3.89	2.20	0.502	0.411	0.103	0.262	---	---	10
11	---	---	1.92 B	1.54 B	3.35	2.01	0.361	0.333	0.077	0.273	---	---	11
12	---	---	5.50 B	1.43 B	3.38	1.72	0.258	0.251	0.065	0.293	---	---	12
13	---	---	8.10 B	1.53 B	2.52	1.78	0.186	0.205	0.058	0.269	---	---	13
14	---	---	11.7 B	1.09 B	2.21	1.90	0.222	0.173	0.084	0.232	---	---	14
15	---	---	10.6 B	0.757B	2.04	1.29	0.352	0.142	0.089	0.223	---	---	15
16	---	---	11.0 B	1.10 B	1.99	1.08	0.403	0.123	0.067	0.208	---	---	16
17	---	---	7.38 B	1.43 B	1.83	1.22	0.827	0.178	0.051	0.243	---	---	17
18	---	---	6.62 B	1.94 B	1.73	1.48	0.690	0.136	0.053	0.268	---	---	18
19	---	---	6.06 B	1.84 B	1.53	1.32	0.477	0.091	0.049	0.209	---	---	19
20	---	---	3.56 B	2.56	1.42	1.33	0.336	0.088	0.098	0.197	---	---	20
21	---	---	2.35 B	2.62	1.47	1.78	0.681	0.106	0.088	0.208	---	---	21
22	---	---	1.27 B	2.59	1.36	1.81	2.74	0.128	0.095	0.202	---	---	22
23	---	---	0.468B	2.59	1.22	1.35	5.16	0.117	0.124	0.197	---	---	23
24	---	---	0.262B	3.17	1.41	1.09	4.04	0.093	0.222	0.206	---	---	24
25	---	---	0.972B	3.91	1.85	1.10	3.07	0.082	0.225	0.215	---	---	25
26	---	---	3.77 B	4.17	1.90	1.03	1.92	0.079	0.217	0.239	---	---	26
27	---	---	5.78 B	3.54	1.50	0.897	1.29	0.066	0.191	0.287	---	---	27
28	---	---	5.73 B	2.86	1.95	0.572	0.999	0.125	0.179	0.331	---	---	28
29	---		5.24 B	2.80	6.46	0.608	1.44	0.091	0.152	0.325A	---	---	29
30	---		4.48 B	2.58	5.21	0.517	13.7	0.142	0.163	0.320E	---	---	30
31	---		4.27 B		4.04		11.5	0.125		0.315E		---	31
TOTAL	---	---	111.597	73.117	78.38	158.734	54.112	28.394	4.839	7.171	---	---	TOTAL
MEAN	---	---	3.60	2.44	2.53	5.29	1.75	0.916	0.161	0.231	---	---	MEAN
MAX	---	---	11.7	4.56	6.46	38.0	13.7	8.12	0.526	0.331	---	---	MAX
MIN	---	---	0.262	0.757	1.22	0.517	0.186	0.066	0.049	0.155	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.11
MAXIMUM DAILY, 38.0 ON JUN 2
MINIMUM DAILY, 0.049 ON SEP 19
MAXIMUM INSTANTANEOUS,
43.8 AT 04:30 MST ON JUN 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 50 N
LONG 115 02 20 W
DRAINAGE AREA, 624 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 680
FEB	---	AUG	2 450
MAR	9 640	SEP	418
APR	6 320	OCT	620
MAY	6 770	NOV	---
JUN	13 700	DEC	---

TOTAL DISCHARGE, 44 600 dam³

PADDLE RIVER NEAR SANGUDO - STATION NO. 07BB012

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	4.308	3.070	3.996	2.518	3.668	2.288	2.284	---	---	1
2	---	---	3.800	4.188	3.028	5.604	2.477	3.569	2.398	2.300	---	---	2
3	---	---	---	3.995	3.045	5.183	2.455	3.199	2.342	2.299	---	---	3
4	---	---	---	3.822	3.042	4.239	2.446	2.975	2.291	2.315	---	---	4
5	---	---	---	3.680	3.006	3.855	2.420	2.819	2.291	2.308	---	---	5
6	---	---	---	3.524	3.035	3.494	2.405	2.714	2.294	2.356	---	---	6
7	---	---	---	3.412	3.011	3.300	2.429	2.651	2.279	2.335	---	---	7
8	---	---	---	3.368	3.126	3.120	2.431	2.584	2.265	2.313	---	---	8
9	---	---	---	3.265	3.312	2.996	2.417	2.501	2.241	2.321	---	---	9
10	---	---	---	3.160	3.244	2.910	2.488	2.434	2.239	2.336	---	---	10
11	---	---	---	3.113	3.180	2.844	2.458	2.415	2.230	2.355	---	---	11
12	---	---	---	3.018	3.147	2.807	2.405	2.370	2.238	2.368	---	---	12
13	---	---	5.007	2.974	3.089	2.765	2.383	2.327	2.216	2.387	---	---	13
14	---	---	5.235	2.938	3.005	2.812	2.346	2.300	2.194	2.400	---	---	14
15	---	---	5.446	2.881	2.959	2.799	2.380	2.283	2.193	2.390	---	---	15
16	---	---	5.473	2.935	2.945	2.757	2.461	2.266	2.220	2.375	---	---	16
17	---	---	5.380	2.977	2.937	2.717	2.497	2.262	2.236	2.379	---	---	17
18	---	---	5.211	3.095	2.924	2.741	2.623	---	2.235	2.391	---	---	18
19	---	---	4.988	3.027	2.903	2.740	2.555	---	2.223	2.399	---	---	19
20	---	---	4.564	3.036	2.884	2.737	2.487	---	2.258	2.380	---	---	20
21	---	---	4.212	3.100	2.859	2.764	2.445	---	2.249	2.378	---	---	21
22	---	---	4.168	3.126	2.856	2.802	2.928	---	2.284	2.386	---	---	22
23	---	---	3.870	3.116	2.819	2.789	3.226	---	2.284	2.395	---	---	23
24	---	---	3.735	3.144	2.835	2.731	3.203	---	2.307	2.393	---	---	24
25	---	---	3.739	3.276	2.861	2.709	3.101	2.200A	2.352	2.389	---	---	25
26	---	---	4.036	3.466	2.950	2.696	2.954	2.202	2.329	2.392	---	---	26
27	---	---	4.452	3.345	2.902	2.656	2.804	2.180	2.297	2.409	---	---	27
28	---	---	4.632	3.204	2.867	2.608	2.726	2.187	2.274	2.426	---	---	28
29	---		4.722	3.130	3.175	2.552	2.684	2.216	2.260	2.445A	---	---	29
30	---		4.647	3.133	3.440	2.557	3.417	2.280	2.276	---	---	---	30
31	---		4.493		3.211		4.185	2.272		---		---	31
MEAN	---	---	---	3.292	3.022	3.109	2.669	---	2.269	---	---	---	MEAN
MAX	---	---	---	4.308	3.440	5.604	4.185	---	2.398	---	---	---	MAX
MIN	---	---	---	2.881	2.819	2.552	2.346	---	2.193	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 5.604 ON JUN 2

MAXIMUM INSTANTANEOUS,
5.805 AT 18:40 MST ON JUN 2

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 26 N
LONG 114 53 35 W

A - MANUAL GAUGE

NATURAL FLOW

PARFLESH CREEK NEAR CHANCELLOR - STATION NO. 05BM007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.018E	0.001	0	0	0.005	0	0	0	---	1
2	---	---	0 B	0.017E	0	0	0	0.003	0	0	0	---	2
3	---	---	0 B	0.015A	0	0.034	0	0.001	0	0	0	---	3
4	---	---	0 B	0.014E	0	0.136	0	0	0	0	---	---	4
5	---	---	0 B	0.013E	0	0.057	0	0	0	0	---	---	5
6	---	---	0 B	0.011E	0.003	0.015	0	0	0	0	---	---	6
7	---	---	0 B	0.010E	0.010	0.010	0	0	0	0	---	---	7
8	---	---	0.001B	0.009E	0.011	0.007	0	0	0	0	---	---	8
9	---	---	0.001B	0.007E	0.010	0.004	0.004	0	0	0	---	---	9
10	---	---	0.002B	0.006E	0.010	0.004	0.007	0	0	0	---	---	10
11	---	---	0.003B	0.006E	0.009	0.007	0.006	0	0	0	---	---	11
12	---	---	0.003B	0.006E	0.021	0.007	0.005	0	0	0	---	---	12
13	---	---	0.003B	0.006E	0.016	0.009	0.004	0	0	0	---	---	13
14	---	---	0.003B	0.006E	0.014	0.008	0.004	0	0	0	---	---	14
15	---	---	0.004B	0.006E	0.013	0.007	0.005	0	0	0	---	---	15
16	---	---	0.004B	0.005E	0.013	0.006	0.005	0	0	0	---	---	16
17	---	---	0.003B	0.005E	0.012	0.004	0.003	0	0	0	---	---	17
18	---	---	0.010B	0.005E	0.011	0.002	0.001	0	0	0	---	---	18
19	---	---	0.019B	0.005E	0.010	0	0	0	0	0	---	---	19
20	---	0B	0.018B	0.005A	0.010	0	0	0	0	0	---	---	20
21	---	0B	0.018B	0.006	0.009	0	0	0	0	0	---	---	21
22	---	0B	0.017B	0.006	0.008	0	0.001	0	0	0	---	---	22
23	---	0B	0.017B	0.006	0.008	0	0.002	0	0	0	---	---	23
24	---	0B	0.016B	0.005	0.007	0	0.001	0	0	0	---	---	24
25	---	0B	0.018B	0.005	0.005	0	0.009	0	0	0	---	---	25
26	---	0B	0.018B	0.005	0.004	0	0.013	0	0	0	---	---	26
27	---	0B	0.017B	0.004	0.003	0	0.013	0	0	0	---	---	27
28	---	0B	0.017B	0.003	0.002	0	0.013	0	0	0	---	---	28
29	---		0.019B	0.003	0.001	0	0.010	0	0	0	---	---	29
30	---		0.021B	0.002	0	0	0.008	0	0	0	---	---	30
31	---		0.020B		0		0.006	0		0		---	31
TOTAL	---	---	0.272	0.220	0.221	0.317	0.120	0.009	0	0	---	---	TOTAL
MEAN	---	---	0.009	0.007	0.007	0.011	0.004	0	0	0	---	---	MEAN
MAX	---	---	0.021	0.018	0.021	0.136	0.013	0.005	0	0	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.136 ON JUN 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.178 AT 00:25 MST ON JUN 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 40 N
LONG 112 50 27 W
DRAINAGE AREA, 129 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.4
FEB	---	AUG	0.78
MAR	23.5	SEP	0
APR	19.0	OCT	0
MAY	19.1	NOV	---
JUN	27.4	DEC	---

TOTAL DISCHARGE, 100 dam³

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.495	0.691	0.065	0.239	0.009	0	---	---	1
2	---	---	---	2.53 B	0.551	0.703	0.040	0.310	0.020	0	---	---	2
3	---	---	---	---	0.616	0.685	0.029	0.352	0.009	0	---	---	3
4	---	---	---	---	0.647	0.637	0.008	0.377	0.094	0	---	---	4
5	---	---	---	---	0.635	0.678	0.007	0.383	0.080	0	---	---	5
6	---	---	---	---	0.781	0.660	0.007	0.374	0.080	0	---	---	6
7	---	---	---	2.45 A	1.01	0.579	0.106	0.355	0.043	0	---	---	7
8	---	---	---	2.27 A	1.01	0.533	0.096	0.329	0.063	0	---	---	8
9	---	---	---	2.17	1.02	0.480E	0.065	0.301	0.059	0.040	---	---	9
10	---	---	---	2.03	1.02	0.435E	0.045	0.280	0.056	0.058	---	---	10
11	---	---	---	1.86	1.05	0.405E	0.034	0.263	0.011	0.056	---	---	11
12	---	---	---	1.66	1.07	0.360E	0.019	0.249	0.033	0.095	---	---	12
13	---	---	---	1.46	1.07	0.330E	0.009	0.233	0.127	0.082	---	---	13
14	---	---	---	1.48	1.05	0.300E	0.009	0.212	0.121	0.071	---	---	14
15	---	---	---	1.41	1.02	0.270E	0.022	0.186	0.102	0.059	---	---	15
16	---	---	---	1.42	0.969	0.240E	0.065	0.186	0.050	0.047	---	---	16
17	---	---	0.099B	1.29	0.955	0.200E	0.101	0.164	0.006	0.036	---	---	17
18	---	---	---	1.16	1.01	0.170E	0.080	0.172	0	0.045	---	---	18
19	---	---	---	0.997	1.18	0.145E	0.036	0.136	0	0.056	---	---	19
20	---	---	---	0.573	1.14	0.120E	0.009	0.125	0	0.087	---	---	20
21	---	---	---	0.573	0.989	0.100E	0.007	0.106	0	0.140	---	---	21
22	---	---	---	0.589	0.922	0.080E	0.006	0.092	0.004	0.153	---	---	22
23	---	---	---	0.602	0.811	0.060E	0.008	0.077	0.005	0.138	---	---	23
24	---	---	---	0.574	0.759	0.050E	0.009	0.062	0.004A	0.121	---	---	24
25	---	---	---	0.528	0.692	0.040E	0.008	0.046	0.001	0.099	---	---	25
26	---	---	---	0.512	0.578	0.030E	0.008	0.015	0	0.084	---	---	26
27	---	---	---	0.493	0.531	0.020E	0.013	0.008	0	0.072A	---	---	27
28	---	---	---	0.469	0.595	0.015E	0.018	0.006	0	0.068E	---	---	28
29	---		---	0.461	0.604	0.020E	0.042	0.005	0	0.058E	---	---	29
30	---		---	0.459	0.552	0.028A	0.177	0.005	0	0.048E	---	---	30
31	---		---		0.542		0.261	0.005		0.038E		---	31
TOTAL	---	---	---	---	25.874	9.064	1.409	5.653	0.977	1.757	---	---	TOTAL
MEAN	---	---	---	---	0.835	0.302	0.045	0.182	0.033	0.057	---	---	MEAN
MAX	---	---	---	---	1.18	0.703	0.261	0.383	0.127	0.153	---	---	MAX
MIN	---	---	---	---	0.495	0.015	0.006	0.005	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0 ON SEP 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 28 50 N
LONG 113 06 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	122
FEB	---	AUG	488
MAR	---	SEP	84.4
APR	---	OCT	152
MAY	2 240	NOV	---
JUN	783	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1 640E	2 380	1 110	1 480E	859	1 470	---	---	1
2	---	---	---	---	1 920E	2 840	1 320	1 340E	1 050	1 480	---	---	2
3	---	---	---	---	1 990E	2 790	1 190	1 430E	1 080	1 520	---	---	3
4	---	---	---	---	1 930A	2 410	1 030	1 460E	1 060	1 550	---	---	4
5	---	---	---	---	1 910	2 250	1 150	1 010E	1 220	1 570	---	---	5
6	---	---	---	---	2 100	2 170	955	955E	1 380	1 640	---	---	6
7	---	---	---	---	2 090	1 890	901	860E	1 350	1 410	---	---	7
8	---	---	---	---	2 200	1 610	935	700E	1 280	1 550	---	---	8
9	---	---	---	---	2 230	1 460	886	595E	1 220	1 560	---	---	9
10	---	---	---	---	2 640	1 410	781	610E	1 170	1 560	---	---	10
11	---	---	---	---	2 740	1 310	760	710E	1 290	1 560	---	---	11
12	---	---	---	---	2 660	1 410	820A	680E	1 250	1 560	---	---	12
13	---	---	---	---	2 280	1 330	771E	715E	1 270	1 560	---	---	13
14	---	---	---	---	2 340	1 260	722A	660E	1 250	1 510	---	---	14
15	---	---	---	---	2 480	1 290	761	760E	1 240	1 500	---	---	15
16	---	---	---	---	2 670	1 290	838	630E	1 280	1 560	---	---	16
17	---	---	---	---	2 330	1 420	1 140	470E	1 250	1 540	---	---	17
18	---	---	---	---	2 370	1 460	1 220	548A	1 200	1 530	---	---	18
19	---	---	---	---	2 480	1 550	862	726	1 190	1 520	---	---	19
20	---	---	---	---	2 660	1 410	814	839	1 220	1 560	---	---	20
21	---	---	---	---	2 800	1 290	1 070	899	1 140	1 570	---	---	21
22	---	---	---	---	2 990	1 240	1 620	884	1 230	1 520	---	---	22
23	---	---	---	---	2 970	1 220	1 640	814	1 540	1 530	---	---	23
24	---	---	---	---	2 950	1 230	1 490	643	1 500	1 570	---	---	24
25	---	---	---	---	2 650	1 210	1 260	801	1 500	1 500	---	---	25
26	---	---	---	---	2 470	1 220	1 390	797	1 500	1 410	---	---	26
27	---	---	---	---	2 630	1 200	1 420	791	1 450	1 330A	---	---	27
28	---	---	---	---	3 130	1 240	1 410	646	1 460	1 530E	---	---	28
29	---	---	---	---	3 030	1 180	1 480	849	1 470	1 540E	---	---	29
30	---	---	---	---	2 580	1 100	1 420	834	1 470	1 520E	---	---	30
31	---	---	---	---	2 360		1 280A	728		1 470E	---	---	31
TOTAL	---	---	---	---	76 220	47 070	34 246	25 864	38 419	47 200	---	---	TOTAL
MEAN	---	---	---	---	2 460	1 570	1 100	834	1 280	1 520	---	---	MEAN
MAX	---	---	---	---	3 130	2 840	1 640	1 480	1 540	1 640	---	---	MAX
MIN	---	---	---	---	1 640	1 100	614	470	859	1 330	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3 130 ON MAY 28

MAXIMUM INSTANTANEOUS,
3 250 AT 18:00 MST ON MAY 28

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 09 N
LONG 118 36 19 W
DRAINAGE AREA, 130 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 960 000
FEB	---	AUG	2 230 000
MAR	---	SEP	3 320 000
APR	---	OCT	4 040 000
MAY	6 590 000	NOV	---
JUN	4 070 000	DEC	---

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	5.800E	5.952	3.610E	3.975	3.120E	3.577	---	---	1
2	---	---	---	---	6.000E	5.723	3.610A	4.031	3.185E	3.557	---	---	2
3	---	---	---	---	5.620E	5.584	3.550	4.129	3.140E	3.547	---	---	3
4	---	---	---	---	5.280E	5.677	3.489	4.211	3.140E	3.546	---	---	4
5	---	---	---	---	5.000E	5.906	3.556	4.261	3.200E	3.567	---	---	5
6	---	---	---	---	5.065E	5.925	3.631	4.196	3.280E	3.585	---	---	6
7	---	---	---	---	5.130A	5.755	3.560	4.167	3.290E	3.647	---	---	7
8	---	---	---	---	5.098	5.572	3.532	4.039	3.300E	3.685	---	---	8
9	---	---	---	---	5.088	5.390	3.523	3.808	3.334A	3.716	---	---	9
10	---	---	---	---	5.082	5.165	3.439	3.625	3.401A	3.681	---	---	10
11	---	---	---	---	5.126	4.912	3.381	3.488	3.401	3.645	---	---	11
12	---	---	---	---	5.305	4.683	3.330	3.340	3.362	3.647	---	---	12
13	---	---	---	---	5.518	4.519	3.256	3.200E	3.308	3.649	---	---	13
14	---	---	---	---	5.589	4.391	3.202A	3.205E	3.303	3.646	---	---	14
15	---	---	---	---	5.504	4.342	3.200E	3.220E	3.352	3.647	---	---	15
16	---	---	---	---	5.343	4.331	3.220E	3.215E	3.375	3.647	---	---	16
17	---	---	---	---	5.263	4.321	3.205E	3.220E	3.367	3.627	---	---	17
18	---	---	---	---	5.310	4.333	3.180E	3.210E	3.353	3.611	---	---	18
19	---	---	---	---	5.390	4.342	3.200E	3.220E	3.354	3.609	---	---	19
20	---	---	---	---	5.364	4.377	3.273A	3.100E	3.353	3.612	---	---	20
21	---	---	---	---	5.369	4.415	3.496	3.000E	3.325	3.621A	---	---	21
22	---	---	---	---	5.425	4.431	3.493	3.060E	3.296	3.626E	---	---	22
23	---	---	---	---	5.526	4.381	3.311	3.140E	3.297	3.631A	---	---	23
24	---	---	---	---	5.683	4.279	3.224A	3.160E	3.308	3.635E	---	---	24
25	---	---	---	---	5.861	4.194A	3.653	3.230E	3.315	3.640E	---	---	25
26	---	---	---	---	5.981	3.997E	3.992	3.190E	3.449	3.645E	---	---	26
27	---	---	---	---	5.952	3.800E	4.052	3.120E	3.569	3.665E	---	---	27
28	---	---	---	---	5.830	3.640E	3.994	3.100E	3.607	3.690A	---	---	28
29	---	---	---	---	5.766	3.620E	3.962	3.160E	3.610	3.620E	---	---	29
30	---	---	---	---	5.931	3.610E	3.979	3.145E	3.591	3.560E	---	---	30
31	---	---	---	---	6.085		3.965	3.120E		3.600E	---	---	31
MEAN	---	---	---	---	5.493	4.719	3.518	3.461	3.343	3.625	---	---	MEAN
MAX	---	---	---	---	6.085	5.952	4.052	4.261	3.610	3.716	---	---	MAX
MIN	---	---	---	---	5.000	3.610	3.180	3.000	3.120	3.546	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 6.085 ON MAY 31

MAXIMUM INSTANTANEOUS,
6.103 AT 13:30 MST ON MAY 31

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 243.508 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 15 N
LONG 116 02 05 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA,
223 000 km²

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 120B	790B	1 300B	1 740B	3 990B	4 160	1 790	1 860	1 060	1 610	1 610	1 650B	1
2	1 100B	810B	1 220B	1 770B	4 150B	4 340	1 770	1 860	1 060	1 610	1 610	1 620B	2
3	1 060B	830B	1 150B	1 800B	4 100B	4 300	1 760	1 850	1 060	1 600	1 590	1 600B	3
4	1 000B	850B	1 100B	1 820B	4 060B	4 050	1 740	1 870	1 070	1 590	1 580	1 580B	4
5	970B	875B	1 070B	1 840B	4 030B	3 850	1 710	1 930	1 080	1 580	1 580	1 570B	5
6	940B	890B	1 060B	1 860B	3 970B	3 830	1 670	2 010	1 090	1 570	1 610	1 560B	6
7	921B	925B	1 050B	1 880B	3 920B	3 980	1 660	2 080	1 110	1 570	1 670	1 550B	7
8	900B	938B	1 060B	1 920B	3 850	4 110	1 680	2 090	1 160	1 590	1 700E	1 540B	8
9	865B	957B	1 070B	1 960B	3 800	3 990	1 690	2 050	1 230	1 610	1 720E	1 520B	9
10	850B	970B	1 080B	2 010B	3 720	3 770	1 670	1 970	1 270	1 670	1 740E	1 490B	10
11	840B	1 000B	1 130B	2 060B	3 650	3 520	1 630	1 820	1 350	1 720	1 760E	1 460B	11
12	830B	1 020B	1 150B	2 120B	3 580	3 240	1 590	1 660	1 420	1 720	1 780E	1 500B	12
13	840B	1 050B	1 160B	2 160B	3 550	2 940	1 510	1 520	1 470	1 690	1 790E	1 470B	13
14	860B	1 070B	1 180B	2 190B	3 680	2 630	1 460	1 410	1 480	1 670	1 800E	1 490B	14
15	870B	1 110B	1 200B	2 210B	3 890	2 370	1 410	1 290	1 460	1 670	1 830B	1 400B	15
16	820B	1 150B	1 230B	2 210B	4 010	2 190	1 350	1 220	1 430	1 650	1 860B	1 300B	16
17	970B	1 200B	1 250B	2 190B	3 970	2 090	1 280	1 180	1 420	1 650	1 890B	1 240B	17
18	1 040B	1 240B	1 270B	2 160B	3 780	2 030	1 230	1 160	1 440	1 660	1 880B	1 150B	18
19	1 090B	1 270B	1 290B	2 130B	3 630	2 010	1 200	1 170	1 460	1 650	1 870B	1 100B	19
20	1 110B	1 320B	1 310B	2 090B	3 580	2 010	1 180	1 170	1 450	1 630	1 860B	1 120B	20
21	1 040B	1 340B	1 350B	2 070B	3 600	2 010	1 180	1 170	1 450	1 620	1 860B	1 140B	21
22	980B	1 370B	1 390B	2 060B	3 590	2 020	1 240	1 160	1 460	1 620	1 850B	1 150B	22
23	960B	1 400B	1 440B	2 050B	3 560	2 060	1 360	1 110	1 440	1 610	1 850B	1 160B	23
24	940B	1 410B	1 490B	2 050B	3 580	2 090	1 450	1 030	1 420	1 600	1 840B	1 170B	24
25	910B	1 420B	1 530B	2 100B	3 670	2 080	1 430	991	1 410	1 600	1 840B	1 210B	25
26	880B	1 410B	1 570B	2 190B	3 830	2 010	1 350	1 020	1 410	1 600	1 820B	1 260B	26
27	860B	1 380B	1 600B	2 520B	4 060	1 920	1 410	1 080	1 410	1 590	1 740B	1 300B	27
28	830B	1 340B	1 630B	3 130B	4 260	1 860	1 660	1 130	1 440	1 570	1 740B	1 350B	28
29	800B		1 660B	3 550B	4 300	1 820	1 860	1 110	1 510	1 570	1 710B	1 400B	29
30	790B		1 690B	3 700B	4 190	1 800	1 900	1 080	1 570	1 570	1 680B	1 450B	30
31	780B		1 710B		4 080		1 870	1 050		1 580		1 430B	31
TOTAL	28 766	31 335	40 390	65 540	119 630	85 080	47 690	45 101	40 090	50 240	52 700	42 930	TOTAL
MEAN	928	1 120	1 300	2 180	3 860	2 840	1 540	1 450	1 340	1 620	1 760	1 380	MEAN
MAX	1 120	1 420	1 710	3 700	4 300	4 340	1 900	2 090	1 570	1 720	1 890	1 650	MAX
MIN	780	790	1 050	1 740	3 550	1 800	1 180	991	1 060	1 570	1 580	1 100	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 780
MAXIMUM DAILY, 4 340 ON JUN 2
MINIMUM DAILY, 780B ON JAN 31
MAXIMUM INSTANTANEOUS,
4 390 AT 18:55 MST ON JUN 2

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 06 50 N
LONG 112 25 35 W
DRAINAGE AREA, 293 000 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 490 000	JUL	4 120 000
FEB	2 710 000	AUG	3 900 000
MAR	3 490 000	SEP	3 460 000
APR	5 660 000	OCT	4 340 000
MAY	10 300 000	NOV	4 550 000
JUN	7 350 000	DEC	3 710 000

TOTAL DISCHARGE, 56 100 000 dam³

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	737B	832B	924B	2 380B	2 120	3 510	1 370	1 950	871	1 510	1 480	1 780	1
2	966B	823B	1 350B	2 360B	2 140	3 970	1 490	2 280	1 010	1 540	1 270	1 810	2
3	919B	851B	1 450B	2 420B	2 420	4 330	1 640	2 030	1 130	1 510	1 490	1 780	3
4	737B	793B	1 400B	2 470B	2 560	3 930	1 400	2 030	1 120	1 600	1 710	1 770	4
5	848B	1 170B	1 510B	2 590B	2 420	3 500	1 420	1 940	1 180	1 550	1 790	1 790	5
6	959B	1 530B	1 610B	1 970B	2 510	3 380	1 480	1 460	1 360	1 680	1 740	1 850	6
7	1 020B	1 310B	1 700B	1 870B	2 510	2 940	1 280	1 360	1 460	1 570	1 860	1 750	7
8	997B	1 370B	1 580B	1 760B	2 550	2 620	1 250	1 250	1 370	1 500	1 760	1 640	8
9	1 100B	1 300B	1 550B	1 750B	2 730	2 220	1 190	1 030	1 350	1 600	1 830	1 730	9
10	1 160B	1 410B	1 490B	1 770B	3 260	2 090	1 110	934	1 260	1 600	1 820	1 360	10
11	1 130B	1 190B	1 570B	1 720B	3 490	1 920	949	937	1 300	1 590	1 790	1 390	11
12	934B	1 310B	1 580B	1 720B	3 470	1 860	943	1 020	1 360	1 590	1 790	1 500	12
13	730B	1 630B	1 610B	1 700B	3 060	1 920	997	982	1 370	1 590	1 690	1 470	13
14	558B	1 740B	1 660B	1 740B	2 910	1 860	949	1 020	1 350	1 580	1 680	1 450	14
15	537B	1 660B	1 810B	1 720	2 950	1 920	919	957	1 320	1 510	1 820	1 570	15
16	605B	1 490B	1 980B	1 730	3 280	1 920	1 050	1 050	1 310	1 560	1 840	1 750B	16
17	544B	1 420B	1 950B	1 700	3 230	1 960	1 210	881	1 350	1 580	1 830	1 830B	17
18	543B	1 400B	2 060B	1 700	3 110	2 010	1 510	714	1 250	1 570	1 770	1 790B	18
19	625B	1 350B	1 910B	1 840	3 270	2 050	1 300	753	1 250	1 540	1 770	1 840B	19
20	600B	1 350B	1 880B	1 960	3 340	1 960	988	929	1 280	1 550	1 720	1 900B	20
21	537B	1 150B	1 720B	2 240	3 570	1 780	971	957	1 260	1 590	1 810	1 620	21
22	545B	723B	1 670B	2 410	3 820	1 670	1 720	1 050	1 240	1 580	1 790	1 410	22
23	573B	510B	1 670B	2 670	4 060	1 620	2 030	981	1 500	1 550	1 580	1 590	23
24	687B	525B	1 690B	2 790	4 230	1 560	2 000	820	1 610	1 560	1 600	1 450	24
25	803B	514B	1 730B	3 100	3 970	1 580	1 850	807	1 570	1 600	1 770	1 260	25
26	683B	691B	1 610B	3 860	3 730	1 520	1 770	930	1 550	1 450	1 800	1 500	26
27	715B	706B	1 580B	3 790	3 750	1 530	1 870	901	1 520	1 410	1 710	1 120B	27
28	752B	746B	1 810B	3 380	4 330	1 530	1 770	821	1 520	1 610	1 610	913B	28
29	740B		2 000B	3 100	4 350	1 560	1 820	859	1 510	1 620	1 670	1 310	29
30	717B		2 160B	2 250	3 780	1 420	1 850	977	1 510	1 590	1 700	1 670	30
31	805B		2 320B		3 480		2 090	870		1 550		1 960	31
TOTAL	23 806	31 494	52 534	68 460	100 400	67 640	44 186	35 480	40 041	48 430	51 490	49 553	TOTAL
MEAN	768	1 120	1 690	2 280	3 240	2 250	1 430	1 140	1 330	1 560	1 720	1 600	MEAN
MAX	1 160	1 740	2 320	3 860	4 350	4 330	2 090	2 280	1 610	1 680	1 860	1 960	MAX
MIN	537	510	924	1 700	2 120	1 420	919	714	871	1 410	1 270	913	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 680
MAXIMUM DAILY, 4 350 ON MAY 29
MINIMUM DAILY, 510B ON FEB 23
MAXIMUM INSTANTANEOUS,
4 520 AT 00:00 MST ON MAY 29

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 41 N
LONG 117 18 46 W
DRAINAGE AREA, 186 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 060 000	JUL	3 820 000
FEB	2 720 000	AUG	3 070 000
MAR	4 540 000	SEP	3 460 000
APR	5 910 000	OCT	4 180 000
MAY	8 670 000	NOV	4 450 000
JUN	5 840 000	DEC	4 280 000

TOTAL DISCHARGE, 53 000 000 dam³

PEACE RIVER BELOW CHENAL DES QUATRE FOURCHES - STATION NO. 07KC005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	206.397	207.346	207.862	---	208.907	207.283	207.390	206.258	206.764	206.531	207.950	1
2	---	206.401	207.222	207.841	---	208.966	207.275	207.370	206.213	206.790	206.526	207.993	2
3	---	206.423	207.044	207.826	---	209.011	207.248	207.370	206.220	206.720	206.584	208.034	3
4	---	206.439	206.876	207.814	---	208.963	207.126	207.380	206.275	206.723	206.596	208.091	4
5	207.224	206.446	206.744	207.850	---	208.854	207.131	207.394	206.280	206.809	206.482	208.183	5
6	207.127	206.462	206.661	207.914	---	208.906	207.193	207.426	206.288	206.841	206.476	208.257	6
7	207.015	206.469	206.643	207.976	---	209.039	207.190	207.500	206.295	206.975	206.450	208.255	7
8	206.913	206.493	206.692	208.053	209.102	209.020	207.148	207.557	206.330	207.071	206.396	208.276	8
9	206.858	206.510	206.801	208.132	208.889	208.990	207.084	207.548	206.356	207.027	206.455	208.412	9
10	206.841	206.546	206.962	208.208	208.747	208.916	207.134	207.501	206.362	206.976	206.643	208.575	10
11	206.849	206.590	207.126	208.254	208.670	208.823	207.163	207.418	206.444	206.934	206.914	208.651	11
12	206.880	206.638	207.273	208.293	208.647	208.721	207.166	207.243	206.535	206.923	206.938	208.694	12
13	206.902	206.727	207.401	208.313	208.641	208.575	207.135	207.043	206.643	206.918	206.907	208.700	13
14	206.931	206.872	207.499	208.331	208.671	208.395	207.103	206.958	206.723	206.894	206.978	208.643	14
15	206.956	206.991	207.573	208.346	208.733	208.201	207.064	206.829	206.765	206.878	207.185	208.538	15
16	206.969	207.076	207.625	208.360	208.779	208.027	206.943	206.648	206.716	206.864	207.385	208.389	16
17	206.987	207.136	207.648	208.365	208.799	207.861	206.812	206.564	206.695	206.849	---	208.217	17
18	207.012	207.178	207.650	208.345	208.783	207.757	206.750	206.546	206.717	206.857	---	208.068	18
19	207.041	207.204	207.658	208.316	208.701	207.715	206.826	206.545	206.830	206.943	---	207.942	19
20	207.058	207.259	207.665	208.280	208.654	207.674	206.772	206.519	206.780	206.848	---	207.849	20
21	207.041	207.308	207.686	208.235	208.653	207.635	206.695	206.487	206.704	206.728	---	207.782	21
22	206.980	207.382	207.727	208.203	208.718	207.623	206.667	206.484	206.713	206.650	207.362	207.760	22
23	206.888	207.440	207.783	208.186	208.657	207.632	206.800	206.467	206.706	206.619	207.341	207.744	23
24	206.779	207.464	207.853	208.202	208.634	207.661	206.900	206.426	206.657	206.623	207.350	207.742	24
25	206.671	207.474	207.914	208.269	208.653	207.659	206.957	206.355	206.634	206.608	207.337	207.786	25
26	206.589	207.477	207.957	208.385	208.697	207.646	206.930	206.296	206.639	206.619	207.302	207.866	26
27	206.535	207.461	207.971	208.588	208.886	207.533	206.833	206.301	206.670	206.594	207.512	207.953	27
28	206.498	207.422	207.976	208.938	208.912	207.455	206.942	206.292	206.673	206.625	207.664	208.069	28
29	206.472		207.958	209.360	208.974	207.400	207.230	206.355	206.673	206.663	207.800	208.196	29
30	206.433		207.916	209.726	208.999	207.297	207.383	206.372	206.728	206.642	207.907	---	30
31	206.408		207.886		208.975		207.416	206.318		206.615		---	31
MEAN	---	206.917	207.443	208.292	---	208.229	207.042	206.868	206.551	206.793	---	---	MEAN
MAX	---	207.477	207.976	209.726	---	209.039	207.416	207.557	206.830	207.071	---	---	MAX
MIN	---	206.397	206.643	207.814	---	207.297	206.667	206.292	206.213	206.594	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

MINIMUM DAILY, 206.213 ON SEP 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 00 N
LONG 111 35 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.130B	0.012	0	0	0	0	0	0	0	---	1
2	---	0 B	0.160B	0.012	0	0	0	0	0	0	0A	---	2
3	---	0 B	0.095B	0.010	0	0	0	0	0	0	---	---	3
4	---	0 B	0.042B	0.009	0	0	0	0	0	0	---	---	4
5	---	0 B	0.035	0.009	0	0	0	0	0	0	---	---	5
6	---	0 B	0.039	0.013	0	0	0	0	0	0	---	---	6
7	---	0 B	0.056	0.013	0.003	0	0	0	0	0	---	---	7
8	---	0 B	0.109	0.013	0.003	0	0	0	0	0	---	---	8
9	---	0 B	0.101	0.012	0.002	0	0	0	0	0	---	---	9
10	---	0 B	0.068	0.010	0.001	0	0	0	0	0	---	---	10
11	---	0 B	0.042	0.008	0	0	0	0	0	0	---	---	11
12	---	0 B	0.036	0.007E	0.002	0	0	0	0	0	---	---	12
13	---	0 B	0.032	0.007E	0.006	0	0	0	0	0	---	---	13
14	---	0 B	0.028	0.006E	0.005	0.003	0	0	0	0	---	---	14
15	---	0.042B	0.024	0.005E	0.006	0.001	0	0	0	0	---	---	15
16	---	1.45 B	0.022	0.005	0.009	0	0	0	0	0	---	---	16
17	---	2.35 B	0.031	0.005	0.016	0	0	0	0	0	---	---	17
18	---	3.00 B	0.033	0.004	0.014	0	0	0	0	0	---	---	18
19	---	3.81 B	0.031	0.004	0.010	0	0	0	0	0	---	---	19
20	---	2.33 B	0.029	0.003	0.007	0	0	0	0	0	---	---	20
21	---	0.980B	0.027	0.004	0.007	0	0	0	0	0	---	---	21
22	---	0.797B	0.023	0.004	0.007	0	0	0	0	0	---	---	22
23	---	0.727B	0.020	0.003	0.005	0	0	0	0	0	---	---	23
24	---	0.680B	0.017	0.003	0.004	0 E	0	0	0	0	---	---	24
25	---	0.560B	0.016	0.001	0.004	0 E	0	0	0	0	---	---	25
26	---	0.380B	0.015	0.001	0.002	0 E	0	0	0	0	---	---	26
27	---	0.201B	0.013	0	0.001	0	0	0	0	0	---	---	27
28	---	0.160B	0.012	0	0	0	0	0	0	0	---	---	28
29	---		0.011	0	0	0	0	0	0	0	---	---	29
30	---		0.011	0	0	0	0	0	0	0	---	---	30
31	---		0.012		0		0	0		0		---	31
TOTAL	---	17.467	1.320	0.183	0.114	0.004	0	0	0	0	---	---	TOTAL
MEAN	---	0.624	0.043	0.006	0.004	0	0	0	0	0	---	---	MEAN
MAX	---	3.81	0.160	0.013	0.016	0.003	0	0	0	0	---	---	MAX
MIN	---	0	0.011	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.160B ON MAR 2
MINIMUM DAILY, 0 ON APR 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 50 N
LONG 110 56 30 W
DRAINAGE AREA, 438 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	1 510	AUG	0
MAR	114	SEP	0
APR	15.8	OCT	0
MAY	9.85	NOV	---
JUN	0.35	DEC	---

TOTAL DISCHARGE, 140 dam³

REMARKS - THE MAXIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.280B	0.356	0.475	7.42	3.15	1.46	0.228	0.184	0.180	---	1
2	---	---	0.320B	0.350	0.484	7.11	2.95	1.42	0.206	0.162	0.186A	---	2
3	---	---	0.315B	0.336	0.481	5.85	2.57	1.32	0.263	0.166	---	---	3
4	---	---	0.305B	0.340B	0.489	4.91	2.25	1.30	0.269	0.198	---	---	4
5	---	---	0.280B	0.317	0.841	4.16	2.10	1.29	0.252	0.191	---	---	5
6	---	---	0.235B	0.320	1.42	3.67	1.94	1.08	0.211	0.198	---	---	6
7	---	---	0.240B	0.311B	1.81	3.26	1.76	0.994	0.193	0.196	---	---	7
8	---	---	0.250B	0.317B	2.44	3.01	1.63	1.36	0.103	0.196	---	---	8
9	---	---	0.265B	0.299B	2.09	2.77	1.44	1.14	0.087	0.187	---	---	9
10	---	---	0.275B	0.300B	2.59	2.50	1.41	0.949	0.077	0.191	---	---	10
11	---	---	0.285B	0.276B	2.52	2.31	1.44	0.840	0.073	0.193	---	---	11
12	---	---	0.300B	0.260B	2.59	2.18	1.28	0.745	0.073	0.205	---	---	12
13	---	---	0.320B	0.250B	2.72	7.04	1.30	0.763	0.091	0.204	---	---	13
14	---	---	0.350B	0.240B	3.58	14.2	1.41	0.724	0.099	0.206	---	---	14
15	---	---	0.370B	0.229	6.50	10.0	1.32	0.673	0.071	0.210	---	---	15
16	---	---	0.400B	0.246	6.28	9.11	1.38	0.611	0.059	0.210	---	---	16
17	---	---	0.429B	0.277	5.52	8.19	1.67	0.612	0.042	0.216	---	---	17
18	---	---	0.330B	0.281	7.16	6.99	1.34	0.565	0.023	0.221	---	---	18
19	---	---	0.290B	0.285	10.7	5.97	1.21	0.521	0.017	0.218	---	---	19
20	---	---	0.352B	0.309	14.1	5.15	1.22	0.465	0.039	0.220	---	---	20
21	---	---	0.343B	0.352	16.2	4.51	1.33	0.425	0.051	0.210B	---	---	21
22	---	---	0.410B	0.386	20.2	4.00	1.46	0.400	0.069	0.200B	---	---	22
23	---	---	0.390B	0.393	18.5	3.57	1.55	0.372	0.109	0.187	---	---	23
24	---	0.326B	0.305B	0.507	17.4	3.22	1.52	0.360	0.111	0.205	---	---	24
25	---	0.278B	0.261B	0.570	15.3	2.86	2.37	0.340	0.118	0.207	---	---	25
26	---	0.176B	0.295B	0.544	16.8	2.59	2.18	0.314	0.164	0.206	---	---	26
27	---	0.210B	0.300B	0.515	12.7	4.57	1.82	0.300	0.197	0.206	---	---	27
28	---	0.230B	0.275	0.472	9.88	4.41	1.59	0.244	0.202	0.214	---	---	28
29	---	---	0.290	0.471	7.90	3.73	1.54	0.226	0.190	0.207	---	---	29
30	---	---	0.347	0.471	6.87	3.20	1.46	0.279	0.184	0.206	---	---	30
31	---	---	0.360		6.08		1.40	0.287		0.194	---	---	31
TOTAL	---	---	9.773	10.580	222.620	152.98	52.99	22.379	3.871	6.214	---	---	TOTAL
MEAN	---	---	0.315	0.353	7.18	5.10	1.71	0.722	0.129	0.200	---	---	MEAN
MAX	---	---	0.429	0.570	20.2	14.2	3.15	1.46	0.269	0.221	---	---	MAX
MIN	---	---	0.235	0.229	0.475	2.18	1.21	0.226	0.017	0.162	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.96
MAXIMUM DAILY, 20.2 ON MAY 22
MINIMUM DAILY, 0.017 ON SEP 19
MAXIMUM INSTANTANEOUS,
24.8 AT 01:30 MST ON MAY 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 26 N
LONG 114 12 20 W
DRAINAGE AREA, 231 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 580
FEB	---	AUG	1 930
MAR	844	SEP	334
APR	914	OCT	537
MAY	19 200	NOV	---
JUN	13 200	DEC	---

TOTAL DISCHARGE, 41 500 dam³

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.4 B	9.27B	11.4 B	121 B	42.5	84.1	31.9	75.2	13.2	11.6	10.9	6.95B	1
2	12.1 B	9.22B	11.1 B	125 B	40.7	82.2	29.4	86.6	12.8	11.4	11.4	7.00B	2
3	11.9 B	9.07B	10.6 B	126 B	39.1	74.3	27.5	87.2	12.5	10.8	12.8	7.10B	3
4	11.7 B	9.06B	9.84B	119 B	38.8	119	26.7	104	12.3	10.7	14.4	7.20B	4
5	11.4 B	9.06B	9.77B	129 B	35.6	131	25.2	88.3	12.4	10.7	12.7	7.10B	5
6	11.1 B	9.01B	11.5 B	147 B	34.9	121	23.5	75.2	13.0	10.8	12.1	6.75B	6
7	11.0 B	8.94B	11.3 B	110 B	35.1	107	23.0	63.9	13.6	10.6	11.8	6.20B	7
8	11.3 B	8.92B	10.7 B	78.4B	34.3	90.2	23.4	54.9	13.9	11.4	10.0 B	5.70B	8
9	11.2 B	8.89B	10.1 B	59.7B	34.1	78.2	22.6	48.4	13.5	11.7	9.72B	5.35B	9
10	11.5 B	8.57B	9.81B	59.5B	37.5	69.9	21.8	42.9	13.2	11.8	9.70B	4.95B	10
11	11.3 B	8.15B	4.31B	54.5B	58.7	63.3	20.0	38.1	13.5	12.0	9.85B	4.60B	11
12	11.2 B	7.89B	6.73B	50.0B	78.2	58.1	19.5	34.0	13.1	11.6	9.40B	4.25B	12
13	11.1 B	7.81B	8.44B	45.3B	78.1	51.9	19.0	30.8	12.5	11.3	9.50B	4.10B	13
14	11.0 B	7.55B	8.11B	41.4B	76.7	50.8	19.0	27.9	12.1	11.2	8.95B	4.00B	14
15	10.8 B	7.81B	8.61B	47.5	77.4	49.0	19.5	25.5	11.6	10.9	8.60B	4.00B	15
16	10.6 B	7.64B	9.30B	43.6	73.2	53.0	19.9	23.5	11.0	10.8	8.35B	4.00B	16
17	10.3 B	7.00B	13.0 B	44.8	67.6	66.3	19.0	21.6	10.7	10.8	8.10B	3.98B	17
18	10.5 B	7.05B	20.1 B	45.6	63.5	65.3	18.4	20.1	10.6	11.0	8.00B	3.92B	18
19	10.3 B	7.66B	41.6 B	42.5	60.5	64.1	18.6	19.4	10.2	11.1	8.25B	3.90B	19
20	10.1 B	7.88B	64.3 B	40.2	61.4	61.6	21.6	19.1	10.7	10.7	8.35B	3.85B	20
21	9.81B	8.07B	68.4 B	39.3	61.9	57.4	42.8	18.0	10.5	10.5	8.00B	3.75B	21
22	9.61B	8.08B	61.1 B	38.6	57.2	54.1	43.8	17.0	10.6	10.3	6.40B	3.50B	22
23	9.18B	7.99B	49.4 B	38.9	53.6	52.0	41.1	16.2	11.1	10.1	4.80B	3.30B	23
24	9.38B	7.89B	36.7 B	39.3	50.8	50.2	40.6	15.6	10.8	10.4	4.30B	3.08B	24
25	9.67B	7.91B	30.3 B	42.1	47.6	48.0	44.8	15.4	10.7	10.7	3.90B	2.92B	25
26	9.69B	8.33B	27.7 B	43.6	48.0	45.0	55.8	14.8	10.5	10.6	3.80B	2.75B	26
27	9.67B	9.46B	31.0 B	44.8	50.1	42.5	67.2	13.8	9.84	10.3	4.50B	2.58B	27
28	9.54B	10.8 B	54.4 B	47.9	53.2	39.8	82.3	13.2	10.3	10.8	5.40B	2.45B	28
29	9.46B		87.7 B	47.2	54.7	36.5	88.2	12.5	11.5	10.9	6.10B	2.30B	29
30	9.44B		112 B	44.9	53.5	33.9	76.7	13.7	11.5	10.5	6.75B	2.17B	30
31	9.40B		118 B		56.9		66.9	13.4		10.7		2.05B	31
TOTAL	327.69	234.98	974.24	1 963.0	1 653.6	1 961.9	1 099.7	1 150.4	353.94	338.8	256.12	135.75	TOTAL
MEAN	10.6	8.39	31.4	65.4	53.3	65.4	35.5	37.1	11.8	10.9	8.54	4.38	MEAN
MAX	12.4	10.8	118	147	78.2	131	88.2	104	13.9	12.0	13.2	7.20	MAX
MIN	9.18	7.00	8.11	38.6	34.1	33.9	18.4	12.5	9.84	10.1	3.80	2.05	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.6
MAXIMUM DAILY, 147B ON APR 6
MINIMUM DAILY, 2.05B ON DEC 31

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 27 05 N
LONG 113 59 30 W
DRAINAGE AREA, 13 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28 300	JUL	95 000
FEB	20 300	AUG	99 400
MAR	84 200	SEP	30 600
APR	170 000	OCT	29 300
MAY	143 000	NOV	22 100
JUN	170 000	DEC	11 700

TOTAL DISCHARGE, 904 000 dam³

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.75B	10.5 B	12.2	38.2	11.8	70.7	8.97	6.71	---	---	1
2	---	---	2.80B	10.6 B	12.1	44.5	11.1	60.3	9.08	6.50	---	---	2
3	---	---	2.85B	10.1 B	12.1	46.2	10.8	50.0	8.73	6.59	---	---	3
4	---	---	2.90B	9.56B	12.2	43.9	9.83	41.5	9.26	6.67	---	---	4
5	---	---	2.95B	9.81B	11.7	39.5	8.88	35.9	10.2	6.57	---	---	5
6	---	---	3.00B	9.71B	12.2	33.6	8.31	30.7	9.81	6.37	---	---	6
7	---	---	3.05B	9.53B	25.0	29.4	8.67	26.1	9.62	6.31	---	---	7
8	---	---	3.10B	9.84B	44.3	26.2	8.56	22.6	8.83	6.18	---	---	8
9	---	---	3.15B	9.58B	49.0	23.6	8.78	19.7	7.96	6.35	---	---	9
10	---	---	3.20B	9.16B	51.3	21.4	9.58	17.3	7.33	6.49	---	---	10
11	---	---	3.25B	9.22B	56.1	21.4	8.43	15.2	6.76	6.55	---	---	11
12	---	---	3.30B	8.10B	54.8	27.6	7.57	13.6	6.38	6.59	---	---	12
13	---	---	3.48B	7.15B	49.0	47.0	7.00	12.4	6.15	6.51	---	---	13
14	---	---	3.69B	7.63B	43.2	41.7	7.23	11.4	6.00	6.40	---	---	14
15	---	---	3.98B	8.74B	39.4	41.9	10.6	10.6	5.88	6.29	---	---	15
16	---	---	4.28B	8.59B	41.1	37.2	30.4	10.1	5.73	6.17	---	---	16
17	---	---	4.52B	8.84B	44.1	33.3	38.2	9.63	5.61	6.14	---	---	17
18	---	---	4.35B	10.0 B	38.9	30.9	29.9	9.37	5.53	6.00	---	---	18
19	---	---	4.00B	10.6 B	34.8	29.3	23.5	9.92	5.48	5.99	---	---	19
20	---	---	3.70B	12.2	31.6	27.1	20.8	9.34	5.63	5.90	---	---	20
21	---	---	3.45B	13.5	28.4	25.2	21.7	9.08	5.67	5.81	---	---	21
22	---	---	3.60B	14.9	31.2	23.4	29.5	8.71	6.54	5.47	---	---	22
23	---	---	3.75B	16.1	31.4	21.5	42.1	8.55	7.33	5.39	---	---	23
24	---	---	3.98B	16.2	35.7	19.0	60.8	8.31	7.44	5.76	---	---	24
25	---	---	4.26B	17.7	36.0	17.0	79.9	7.91	7.59	6.09	---	---	25
26	---	---	4.53B	16.7	32.5	15.1	67.6	7.34	7.57	6.84	---	---	26
27	---	---	4.96B	15.4	31.8	13.6	50.7	6.93	7.46	8.96	---	---	27
28	---	---	5.44B	14.2	31.8	13.7	41.5	6.64	7.25	8.61A	---	---	28
29	---		6.36B	13.1	32.0	14.5	36.9	6.65	7.07	8.50E	---	---	29
30	---		7.70B	12.6	30.2	13.3	41.2	7.69	6.91	8.30E	---	---	30
31	---		9.06B		30.4		82.3	8.28		8.10E		---	31
TOTAL	---	---	125.39	339.86	1 026.5	860.2	834.14	572.45	219.77	205.06	---	---	TOTAL
MEAN	---	---	4.04	11.3	33.1	28.7	26.9	18.5	7.33	6.61	---	---	MEAN
MAX	---	---	9.06	17.7	56.1	47.0	82.3	70.7	10.2	8.96	---	---	MAX
MIN	---	---	2.75	7.15	11.7	13.3	7.00	6.64	5.48	5.39	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.1
MAXIMUM DAILY, 82.3 ON JUL 31
MINIMUM DAILY, 2.75B ON MAR 1
MAXIMUM INSTANTANEOUS,
87.5 AT 11:50 MST ON JUL 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 47 N
LONG 115 19 30 W
DRAINAGE AREA, 2 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	72 100
FEB	---	AUG	49 500
MAR	10 800	SEP	19 000
APR	29 400	OCT	17 700
MAY	88 700	NOV	---
JUN	74 300	DEC	---

TOTAL DISCHARGE, 362 000 dam³

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.80B	3.21B	4.05B	13.9 B	17.6	55.7	16.8	92.0	8.89	8.87	9.55	3.80B	1
2	4.82B	3.08B	3.80B	14.5 B	17.1	71.0	15.5	77.1	9.50	8.42	9.31	3.60B	2
3	5.01B	2.76B	3.75B	14.4 B	17.3	80.3	13.9	66.6	10.4	8.24	8.80	3.20B	3
4	4.95B	2.70B	3.71B	14.2 B	17.4	76.7	13.3	55.5	10.3	8.01	8.62	2.90B	4
5	4.82B	2.60B	3.70B	14.0 B	17.1	66.9	12.7	46.5	10.1	8.04	8.81	2.55B	5
6	4.57B	2.50B	3.70B	12.8 B	17.2	57.3	11.8	40.2	10.9	8.17	8.55	2.35B	6
7	4.46B	2.40B	3.72B	12.0 B	20.4	48.5	11.4	34.9	11.4	7.98	7.66	2.31B	7
8	4.19B	2.38B	3.75B	11.4 B	40.5	43.4	11.0	30.5	10.8	8.32	6.76B	2.22B	8
9	4.04B	2.37B	4.00B	10.9 B	63.9	37.9	11.3	26.9	10.6	8.32	6.65B	2.09B	9
10	4.01B	2.37B	4.20B	10.3 B	65.4	33.9	11.4	23.8	9.44	8.00	6.41B	1.97B	10
11	3.88B	2.36B	4.80B	10.0 B	64.4	31.0	12.0	21.3	8.53	8.12	6.62B	1.80B	11
12	4.01B	2.36B	6.10B	9.60B	66.5	30.5	11.9	19.2	7.99	8.18	6.50B	1.65B	12
13	4.13B	2.35B	6.40B	9.20B	63.2	34.2	10.4	17.4	7.44	8.23	6.50B	1.55B	13
14	3.86B	2.36B	6.90B	10.6 B	56.8	51.2	10.2	16.1	7.03	8.38	6.10B	1.50B	14
15	3.67B	2.40B	7.20B	11.1 B	51.8	47.0	10.5	15.1	6.84	8.23	5.90B	1.44B	15
16	3.79B	2.47B	7.40B	9.69B	47.9	46.5	12.7	15.3	6.62	8.00	5.60B	1.43B	16
17	3.44B	2.51B	7.45B	10.5	49.0	42.4	25.3	13.8	6.51	7.69	5.30B	1.42B	17
18	3.51B	2.57B	7.50B	11.6	51.5	36.3	39.0	13.0	6.41	7.48	5.00B	1.42B	18
19	4.01B	2.70B	7.50B	13.1	46.1	35.3	32.1	12.3	6.35	7.42	4.80B	1.41B	19
20	3.88B	2.80B	7.00B	14.4	42.2	33.8	27.0	11.9	6.76	7.18	4.70B	1.41B	20
21	3.75B	2.95B	6.70B	15.6	39.1	32.0	24.1	12.3	6.60	7.27	4.60B	1.40B	21
22	3.44B	3.30B	6.80B	17.5	35.8	30.8	26.5	11.4	6.66	7.14	4.45B	1.40B	22
23	3.34B	3.87B	6.99B	18.7	37.5	28.8	35.8	10.9	7.32	7.02	4.30B	1.40B	23
24	3.66B	4.20B	7.30B	20.3	39.1	26.9	50.8	10.1	8.93	6.99	4.20B	1.39B	24
25	3.81B	4.35B	7.70B	21.1	42.9	24.5	70.0	9.85	9.22	7.01	4.15B	1.38B	25
26	3.69B	4.40B	8.30B	21.8	44.3	22.1	84.1	9.37	9.32	7.36	4.09B	1.37B	26
27	3.70B	4.50B	8.90B	21.5	41.6	19.8	70.7	8.90	9.40	7.60	4.02B	1.37B	27
28	3.64B	4.60B	9.60B	20.5	42.6	18.2	57.7	8.20	9.14	8.40	4.01B	1.37B	28
29	3.46B		10.2 B	19.3	44.7	17.0	53.9	7.91	8.94	9.65	4.00B	1.37B	29
30	3.87B		11.4 B	18.3	46.5	17.3	54.4	8.77	8.79	10.4	4.00B	1.38B	30
31	3.51B		12.7 B		44.7		54.6	8.56		9.92		1.39B	31
TOTAL	123.72	83.42	203.22	432.79	1 290.1	1 199.2	902.8	755.66	257.13	250.04	179.96	57.24	TOTAL
MEAN	3.99	2.98	6.56	14.4	41.6	40.0	29.1	24.4	8.57	8.07	6.00	1.85	MEAN
MAX	5.01	4.60	12.7	21.8	66.5	80.3	84.1	92.0	11.4	10.4	9.55	3.80	MAX
MIN	3.34	2.35	3.70	9.20	17.1	17.0	10.2	7.91	6.35	6.99	4.00	1.37	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.7
MAXIMUM DAILY, 92.0 ON AUG 1
MINIMUM DAILY, 1.37B ON DEC 26
MAXIMUM INSTANTANEOUS,
96.1 AT 06:25 MST ON AUG 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 18 N
LONG 115 00 14 W
DRAINAGE AREA, 4 430 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 700	JUL	78 000
FEB	7 210	AUG	65 300
MAR	17 600	SEP	22 200
APR	37 400	OCT	21 600
MAY	111 000	NOV	15 500
JUN	104 000	DEC	4 950

TOTAL DISCHARGE, 495 000 dam³

PIGEON LAKE AT GRANDVIEW - STATION NO. 05FA013

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	850.412	850.473	850.413	850.636	850.486	850.376	---	---	1
2	---	---	---	---	850.414	850.471	850.411	850.634	850.484	850.364	---	---	2
3	---	---	---	---	850.416	850.485	850.411	850.630	850.482	850.362	---	---	3
4	---	---	---	---	850.416	850.487	850.407	850.626	850.474	850.364	---	---	4
5	---	---	---	850.416	850.418	850.485	850.405	850.626	850.474	850.356	---	---	5
6	---	---	---	---	850.440	850.493	850.399	850.624	850.464	850.360	---	---	6
7	---	---	---	---	850.458	850.481	850.429	850.622	850.462	850.356	---	---	7
8	---	---	---	---	850.458	850.477	850.411	850.618	850.464	850.370	---	---	8
9	---	---	---	---	850.460	850.473	850.405	850.612	850.462	850.366	---	---	9
10	---	---	---	---	850.454	850.475	850.405	850.608	850.450	850.364	---	---	10
11	---	---	---	---	850.446	850.471	850.403	850.638	850.446	850.360	---	---	11
12	---	---	---	---	850.446	850.467	850.397E	850.598	850.442	850.356	---	---	12
13	---	---	---	---	850.448	850.473	850.390	850.596	850.440	850.356	---	---	13
14	---	---	---	---	850.452	850.459	850.493E	850.582	850.434	850.346	---	---	14
15	---	---	---	---	850.482	850.459	850.595	850.580	850.426	850.346	---	---	15
16	---	---	---	---	850.464	850.469	850.501	850.576	850.422	850.340	---	---	16
17	---	---	---	---	850.446	850.465	850.487	850.572	850.424	850.336	---	---	17
18	---	---	---	---	850.448	850.443	850.487	850.566	850.422	850.338	---	---	18
19	---	---	---	---	850.448	850.447	850.491	850.562	850.424	850.322	---	---	19
20	---	---	---	---	850.450	850.441	850.487	850.562	850.422	850.322	---	---	20
21	---	---	---	---	850.450	850 449	850.493	850.550	850.424	850.316	---	---	21
22	---	---	---	---	850.446	850.452	850.505	850.546	850.426	850.306	---	---	22
23	---	---	850.410	---	850.442	850.441	850.520	850.536E	850.424	850.316	---	---	23
24	---	---	---	---	850.442	850.441E	850.517	850.526	850.418	850.316	---	---	24
25	---	---	---	---	850.443	850.441	850.505	850.506	850.418	850.310	---	---	25
26	---	---	---	---	850.454	850.439	850.503	850.502	850.413	850.306	---	---	26
27	---	---	---	850.414	850.442	850.427	850.517	850.496	850.374	850.304	---	---	27
28	---	---	---	---	850.474	850.425	850.503	850.500	850.399	850.296	---	---	28
29	---		---	---	850.453	850.421	850.649	850.502	850.400	850.300	---	---	29
30	---		---	---	850.463	850.415	850.731	850.518	850.380	850.300	---	---	30
31	---		---		850.467		850.636	850.499		850.290		---	31
MEAN	---	---	---	---	850.447	850.458	850.481	850.573	850.436	850.336	---	---	MEAN
MAX	---	---	---	---	850.482	850.493	850.731	850.638	850.486	850.376	---	---	MAX
MIN	---	---	---	---	850.412	850.415	850.390	850.496	850.374	850.290	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 850.731 ON JUL 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 59 15 N
LONG 114 03 10 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	0.707B	0.678	0.986	0.535	8.62	1.30	2.36	---	---	1
2	---	---	0.003B	0.561B	0.690	1.03	0.551	7.08	1.30	2.34	---	---	2
3	---	---	0.003B	0.577B	0.698	1.11	0.533	5.70	1.25	2.31	---	---	3
4	---	---	0.003B	0.463B	0.719	1.05	0.494	4.14	1.18	2.28	---	---	4
5	---	---	0.003B	0.422	0.723	1.04	0.460	3.04	1.13	2.24	---	---	5
6	---	---	0.003B	0.354	0.838	1.03	0.440	2.39	1.07	2.20	---	---	6
7	---	---	0.003B	0.332	0.904	0.961	0.484	2.05	1.02	2.18	---	---	7
8	---	---	0.003B	0.301	0.982	0.912	0.522	1.87	0.986	2.39	---	---	8
9	---	---	0.050B	0.268	1.08	0.894	0.556	1.73	0.959	2.58	---	---	9
10	---	---	0.150B	0.233	1.07	0.863	0.617	1.66	0.933	2.67	---	---	10
11	---	---	0.300B	0.219	1.04	0.838	0.659	1.65	0.919	2.64	---	---	11
12	---	---	0.450B	0.174	1.07	0.802	0.633	1.59	0.921	2.51	---	---	12
13	---	---	0.780B	0.168	1.06	0.772	0.592	1.54	0.909	2.40	---	---	13
14	---	---	0.850B	0.141	1.02	0.735	0.648	1.50	0.901	2.30	---	---	14
15	---	---	1.27 B	0.123	0.990	0.693	0.886	1.47	0.885	2.33	---	---	15
16	---	---	1.75 B	0.162	0.983	0.689	0.987	1.45	0.870	2.42	---	---	16
17	---	---	1.83 B	0.208	0.987	0.684	1.33	1.43	0.856	2.39	---	---	17
18	---	---	1.54 B	0.231	0.992	0.654	1.75	1.41	0.866	2.31	---	---	18
19	---	---	1.59 B	0.228	0.980	0.673	1.83	1.39	0.921	2.24	---	---	19
20	---	---	0.400B	0.238	0.972	0.712	1.66	1.37	1.13	2.21	---	---	20
21	---	---	0.350B	0.233	0.941	0.798	1.47	1.36	1.49	2.23	---	---	21
22	---	---	0.300B	0.221	0.920	0.870	1.34	1.35	1.84	2.19	---	---	22
23	---	---	0.258B	0.197	0.910	0.924	1.33	1.33	2.10	2.15	---	---	23
24	---	---	0.283B	0.201	0.892	0.878	1.31	1.32	2.36	2.13	---	---	24
25	---	---	0.387B	0.169	0.851	0.776	1.30	1.30	2.54	2.07	---	---	25
26	---	---	0.430B	0.150	0.848	0.738	1.30	1.29	2.59	2.01	---	---	26
27	---	---	0.507B	0.236	0.823	0.673	1.30	1.27	2.55	2.00A	---	---	27
28	---	---	0.566B	0.471	0.906	0.596	1.33	1.27	2.55	1.90E	---	---	28
29	---		0.676B	0.566	0.983	0.553	1.45	1.27	2.46	1.80E	---	---	29
30	---		0.759B	0.620	1.05	0.522	3.07	1.31	2.36	1.70E	---	---	30
31	---		0.687B		1.01		5.67	1.30		1.60E		---	31
TOTAL	---	---	16.187	9.174	28.610	24.456	37.037	67.45	43.146	69.08	---	---	TOTAL
MEAN	---	---	0.522	0.306	0.923	0.815	1.19	2.18	1.44	2.23	---	---	MEAN
MAX	---	---	1.83	0.707	1.08	1.11	5.67	8.62	2.59	2.67	---	---	MAX
MIN	---	---	0.003	0.123	0.678	0.522	0.440	1.27	0.856	1.60	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.20
MAXIMUM DAILY, 8.62 ON AUG 1
MINIMUM DAILY, 0.003B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.50 AT 23:25 MST ON JUL 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 10 N
LONG 113 53 47 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 200
FEB	---	AUG	5 830
MAR	1 400	SEP	3 730
APR	793	OCT	5 970
MAY	2 470	NOV	---
JUN	2 110	DEC	---

TOTAL DISCHARGE, 25 500 dam³

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.400B	1.30	1.91	4.97	1.79	0.877	0.111	0.136	---	---	1
2	---	---	0.420B	1.13	2.38	4.45	1.73	0.823	0.152	0.129	---	---	2
3	---	---	0.446B	1.02	2.01	3.99	1.52	0.784	0.189	0.140	---	---	3
4	---	---	0.495B	1.03	1.89	4.22	1.39	0.741	0.160	0.160	---	---	4
5	---	---	0.538B	1.01	2.27	3.83	1.31	0.683	0.143	0.164	---	---	5
6	---	---	0.489B	1.05	2.53	3.16	1.27	0.642	0.126	0.131	---	---	6
7	---	---	0.453B	0.919	2.60	2.93	1.25	0.573	0.107	0.082	---	---	7
8	---	---	0.582B	0.885	4.73	2.76	1.17	0.521	0.070	0.059	---	---	8
9	---	---	0.557B	0.920	4.39	2.56	1.06	0.488	0.046	0.058	---	---	9
10	---	---	0.597B	0.828	3.39	2.29	1.01	0.447	0.035	0.060	---	---	10
11	---	---	0.567B	0.821	3.11	2.10	1.05	0.407	0.030	0.104	---	---	11
12	---	---	0.523B	0.849	2.67	2.04	0.969	0.374	0.029	0.166	---	---	12
13	---	---	0.546B	0.797	2.40	14.0	1.01	0.343	0.029	0.156	---	---	13
14	---	---	0.552B	0.805	2.31	17.8	1.05	0.350	0.033	0.212	---	---	14
15	---	---	0.580B	0.923	9.23	8.48	0.956	0.423	0.038	0.233	---	---	15
16	---	---	0.625B	1.15	8.58	7.05	1.18	0.328	0.041	0.238	---	---	16
17	---	---	0.539B	1.18	8.37	6.31	1.25	0.307	0.038	0.224	---	---	17
18	---	---	0.595B	1.17	15.8	5.16	1.10	0.261	0.032	0.223	---	---	18
19	---	---	0.460B	1.21	23.5	4.25	0.958	0.262	0.028	0.239	---	---	19
20	---	---	0.436B	1.24	19.2	3.75	0.841	0.265	0.028	0.235	---	---	20
21	---	---	0.480B	1.54	21.7	3.27	0.799	0.221	0.034	0.195	---	---	21
22	---	---	0.570B	1.50	38.7	2.92	0.784	0.213	0.046	0.177	---	---	22
23	---	---	0.681	1.61	18.8	2.71	0.778	0.189	0.057	0.171	---	---	23
24	---	0.466B	0.780	2.37	14.4	2.50	1.03	0.157	0.068	0.180	---	---	24
25	---	0.447B	0.885	2.22	12.8	2.29	3.25	0.133	0.097	0.187	---	---	25
26	---	0.430B	1.03	1.88	11.4	2.18	2.55	0.142	0.104	0.199	---	---	26
27	---	0.410B	0.853	1.65	9.42	2.47	1.73	0.111	0.112	0.213	---	---	27
28	---	0.390B	0.923	1.53	7.11	2.69	1.41	0.087	0.106	0.219	---	---	28
29	---		1.25	1.50	6.06	2.18	1.24	0.084	0.090	0.212	---	---	29
30	---		1.46	1.49	5.43	1.91	1.08	0.095	0.112	0.205A	---	---	30
31	---		1.32		4.98		0.974	0.136		0.200E		---	31
TOTAL	---	---	20.632	37.527	274.07	131.22	39.489	11.467	2.291	5.307	---	---	TOTAL
MEAN	---	---	0.666	1.25	8.84	4.37	1.27	0.370	0.076	0.171	---	---	MEAN
MAX	---	---	1.46	2.37	38.7	17.8	3.25	0.877	0.189	0.239	---	---	MAX
MIN	---	---	0.400	0.797	1.89	1.91	0.778	0.084	0.028	0.058	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.13
MAXIMUM DAILY, 38.7 ON MAY 22
MINIMUM DAILY, 0.028 ON SEP 19
MAXIMUM INSTANTANEOUS,
71.3 AT 08:10 MST ON MAY 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 12 N
LONG 113 56 49 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 410
FEB	---	AUG	991
MAR	1 780	SEP	198
APR	3 240	OCT	459
MAY	23 700	NOV	---
JUN	11 300	DEC	---

TOTAL DISCHARGE, 45 100 dam³

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.68	0.467	0.119E	0.520	0.919	0.039	0.050	---	---	1
2	---	---	---	2.83	0.433	0.116E	0.514	0.911	0.040	0.060	---	---	2
3	---	---	---	2.77	0.408	0.113E	0.443	0.770	0.026	0.060	---	---	3
4	---	---	---	2.64	0.374	0.110E	0.378	0.656	0.022	0.065	---	---	4
5	---	---	---	2.24	0.343	0.108E	0.344	0.532	0.021	0.070	---	---	5
6	---	---	---	2.25	0.328E	0.105E	0.294	0.424	0.012	0.081	---	---	6
7	---	---	---	1.84	0.311E	0.102E	0.316	0.359	0.011	0.091	---	---	7
8	---	---	---	1.84 E	0.297E	0.099A	0.828	0.286	0.029	0.118	---	---	8
9	---	---	---	1.83	0.283E	0.093E	1.08	0.244	0.009	0.145	---	---	9
10	---	---	---	1.65	0.266E	0.085E	1.06	0.200	0.008	0.200	---	---	10
11	---	---	---	1.60 E	0.252E	0.079E	0.949	0.171	0.007	0.155	---	---	11
12	---	---	---	1.55 E	0.235E	0.074E	0.849	0.124	0.005	0.106	---	---	12
13	---	---	0.016B	1.48 A	0.221A	0.065E	0.722	0.098	0.001	0.093	---	---	13
14	---	---	0.422B	1.39 E	0.215E	0.059E	0.661	0.086	0.006	0.070	---	---	14
15	---	---	0.827B	1.28 E	0.210E	0.051E	0.993	0.067	0.003	0.062	---	---	15
16	---	---	1.29 B	1.18 A	0.207E	0.045A	1.31	0.055	0.003	0.056	---	---	16
17	---	---	1.64 B	0.983	0.201E	0.073	1.23	0.045	0	0.049	---	---	17
18	---	---	2.46 B	0.943	0.195E	0.202	1.07	0.037	0.001	0.076	---	---	18
19	---	---	2.08 B	0.844	0.190E	0.277	0.834	0.025	0.004	0.088	---	---	19
20	---	---	1.70 B	0.782	0.187E	0.326	5.09	0.018	0.012	0.071A	---	---	20
21	---	---	1.32 B	0.773	0.181E	0.493	13.3	0.014	0.013	--	---	---	21
22	---	---	0.934B	0.742	0.176E	1.26	7.96	0.007	0.017	---	---	---	22
23	---	---	0.555B	0.663	0.170E	1.80	5.81	0.008	0.020	---	---	---	23
24	---	---	0.173B	0.640	0.164E	1.84	4.81	0.007	0.022	---	---	---	24
25	---	---	0.555B	0.640	0.161E	1.47	3.90	0.002	0.028	---	---	---	25
26	---	---	1.01 B	0.614	0.156E	1.16	3.12	0	0.032	---	---	---	26
27	---	---	1.60 B	0.578	0.150A	0.932	2.36	0	0.037	---	---	---	27
28	---	---	2.15 B	0.589	0.130	0.750	1.87	0	0.037	---	---	---	28
29	---		2.40 B	0.561	0.125	0.656	1.61	0	0.046	---	---	---	29
30	---		2.94 B	0.498	0.125	0.547	1.29	0.021	0.045	---	---	---	30
31	---		3.00 B		0.122E		0.988	0.016		---		---	31
TOTAL	---	---	---	40.900	7.283	13.209	66.503	6.102	0.556	---	---	---	TOTAL
MEAN	---	---	---	1.36	0.235	0.440	2.15	0.197	0.019	---	---	---	MEAN
MAX	---	---	---	2.83	0.467	1.84	13.3	0.919	0.046	---	---	---	MAX
MIN	---	---	---	0.498	0.122	0.045	0.294	0	0	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 13.3 ON JUL 21
MINIMUM DAILY, 0 ON AUG 26
MAXIMUM INSTANTANEOUS,
16.9 AT 07:30 MDT ON JUL 21

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 00 N
LONG 113 00 48 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 750
FEB	---	AUG	527
MAR	---	SEP	48.0
APR	3 530	OCT	---
MAY	629	NOV	---
JUN	1 140	DEC	---

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.028B	8.20B	0.905	0.175	2.08	2.80	0.214	0.118E	---	---	1
2	---	---	0.029B	7.70B	0.858	0.179	2.01	2.47	0.204	0.125E	---	---	2
3	---	---	0.030B	7.38B	0.778	1.17	2.06	2.33	0.281	0.130E	---	---	3
4	---	---	0.032B	7.00B	0.719	1.53	1.77	2.08	0.175	0.135E	---	---	4
5	---	---	0.033B	6.60B	0.658	1.49	1.56	1.81	0.170	0.141E	---	---	5
6	---	---	0.034B	6.35B	0.610	1.52	1.55	1.63	0.149	0.145E	---	---	6
7	---	---	0.035B	6.00B	0.552	1.63	1.46	1.37	0.201	0.152E	---	---	7
8	---	---	0.036B	5.70B	0.553	1.45	1.79	1.18	0.222	0.159E	---	---	8
9	---	---	0.037B	5.35B	0.536	1.30	2.64	1.13	0.215	0.165E	0.149B	---	9
10	---	---	0.038B	5.12B	0.511	1.25	2.82	1.11	0.184	0.172E	---	---	10
11	---	---	0.038B	4.83B	0.467	1.26	2.70	0.885	0.186	0.178E	---	---	11
12	---	---	0.039B	4.60B	0.443	1.28	2.75	0.798	0.132	0.183E	---	---	12
13	---	---	0.039B	4.40B	0.456	1.37	2.43	0.625	0.125	0.190E	---	---	13
14	---	---	0.040B	4.25B	0.435	1.36	2.35	0.561	0.103	0.195E	---	---	14
15	---	---	0.040B	4.15B	0.374	1.25	2.16	0.607	0.075	0.200E	---	---	15
16	---	---	0.041B	4.09	0.364	1.31	2.58	0.535	0.076	0.198E	---	---	16
17	---	---	0.042B	4.00	0.375	1.38	2.94	0.448	0.146	0.196E	---	---	17
18	---	---	0.044B	3.66	0.435	1.46	2.83	0.380	0.110	0.194E	---	---	18
19	---	---	0.046B	3.57	0.356	1.55	2.48	0.331	0.077	0.192E	---	---	19
20	---	---	0.056B	3.42	0.315	1.57	2.53	0.309	0.063	0.190E	---	---	20
21	---	---	0.072B	3.17	0.298	1.98	6.86	0.260	0.066	0.188E	---	---	21
22	---	---	0.2 0B	3.08	0.286	2.63	10.0	0.161	0.059	0.179E	---	---	22
23	---	---	0.560B	2.94	0.383	3.29	7.55	0.236	0.049	0.160E	---	---	23
24	---	---	0.452B	2.83	0.407	3.75	6.41	0.238	0.042	0.145E	---	---	24
25	---	---	3 50 B	2.97	0.379	3.63	5.90	0.180	0.037	0.135B	---	---	25
26	---	---	6.59 B	2.83	0.298	3.16	5.31	0.174	0.041	0.130B	---	---	26
27	---	---	9.20 B	2.69	0.266	2.72	4.70	0.122	0.043	0.128B	---	---	27
28	---	---	11.2 B	2.55	0.251	2.60	4.15	0.146	0.045	0.125B	---	---	28
29	---		10.6 B	1.43	0.225	2.49	3.66	0.129	0.101A	0.123B	---	---	29
30	---		9.70 B	1.00	0.238	2.23	3.27	0.159	0.111E	0.122B	---	---	30
31	---		8.62 B		0.195		3.02	0.161		0.121B		---	31
TOTAL	---	---	61.861	131.86	13.926	53.964	106.32	25.355	3.702	4.914	---	---	TOTAL
MEAN	---	---	2.00	4.40	0.449	1.80	3.43	0.818	0.123	0.159	---	---	MEAN
MAX	---	---	11.2	8.20	0.905	3.75	10.0	2.80	0.281	0.200	---	---	MAX
MIN	---	---	0.028	1.00	0.195	0.175	1.46	0.122	0.037	0.118	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.64
MAXIMUM DAILY, 11.2B ON MAR 28
MINIMUM DAILY, 0.028B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 10 N
LONG 112 46 30 W
DRAINAGE AREA, 1 450 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 190
FEB	---	AUG	2 190
MAR	5 340	SEP	320
APR	11 400	OCT	425
MAY	1 200	NOV	---
JUN	4 660	DEC	---

TOTAL DISCHARGE, 34 700 dam³

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.070B	4.56 B	0.630E	0.502	0.146E	1.75 E	0.410	0.061	0.052	---	1
2	---	---	0.076B	3.42 B	0.710E	0.509	0.142E	2.10 E	0.437	0.067	0.045A	---	2
3	---	---	0.076B	3.07 B	0.780E	0.474	0.138E	2.23 E	0.296	0.076	---	---	3
4	---	---	0.076B	2.85 B	0.850E	0.434	0.134E	2.23 E	0.405	0.068	---	---	4
5	---	---	0.076B	2.36 B	0.900E	0.437	0.130E	2.20 E	0.432	0.060	---	---	5
6	---	---	0.076B	2.28 B	0.925E	0.443	0.126E	2.10 E	0.456	0.049	---	---	6
7	---	---	0.085B	2.14	0.975A	0.411	0.300E	2.02 E	0.403	0.045	---	---	7
8	---	---	0.090B	2.12	1.02 E	0.406	0.550E	1.90 E	0.322	0.083	---	---	8
9	---	---	0.100B	2.06 A	1.10 E	0.399	0.400E	1.80 E	0.289	0.088	---	---	9
10	---	---	1.00 B	1.88 E	1.07 E	0.399	0.250E	1.70 E	0.330	0.100	---	---	10
11	---	---	1.50 B	1.71 E	0.961A	0.388	0.225E	1.60 E	0.436	0.092	---	---	11
12	---	---	2.00 B	1.53 E	0.807	0.381	0.125E	1.50 E	0.297	0.092	---	---	12
13	---	---	2.99 B	1.36 A	0.778	0.386	0.100E	1.40 E	0.208	0.087	---	---	13
14	---	---	6.08 B	1.55 A	0.740	0.371	0.105E	1.30 E	0.246	0.085	---	---	14
15	---	---	5.61 B	1.48 E	0.711	0.374	0.800E	1.22 E	0.237	0.090	---	---	15
16	---	---	6.24 B	1.38 E	0.715	0.357A	0.500E	1.10 E	0.233	0.095	---	---	16
17	---	---	6.60 B	1.28 E	0.708	0.331E	0.250E	1.06 E	0.228	0.099	---	---	17
18	---	---	5.78 B	1.15 E	0.711	0.305E	3.150E	0.976A	0.194	0.106	---	---	18
19	---	---	6.23 B	1.08 E	0.650	0.278E	0.100E	0.888E	0.140	0.109	---	---	19
20	---	---	4.39 B	1.02 E	0.654	0.252E	0.065A	0.800E	0.135	0.100	---	---	20
21	---	---	3.36 B	0.970E	0.666	0.241E	0.062E	0.725E	0.096	0.137	---	---	21
22	---	---	5.91 B	0.910E	0.649	0.231E	0.059E	0.650E	0.106	0.119	---	---	22
23	---	---	4.68 B	0.860E	0.661	0.221E	0.056E	0.573E	0.102	0.014	---	---	23
24	---	---	4.20 B	0.810E	0.625	0.210E	0.053E	0.495E	0.087	0.030	---	---	24
25	---	---	5.07 B	0.760E	0.630A	0.200E	0.050E	0.418A	0.074	0.058	---	---	25
26	---	---	4.68 B	0.730E	0.588	0.190E	0.050E	0.460	0.076	0.057	---	---	26
27	---	---	5.63 B	0.693A	0.553	0.180E	0.050E	0.482	0.071	0.065	---	---	27
28	---	---	6.33 B	0.665E	0.563	0.170E	0.160E	0.494	0.068	0.064	---	---	28
29	---		4.81 B	0.638E	0.544	0.160E	0.300E	0.434	0.063	0.065	---	---	29
30	---		4.13 B	0.610A	0.551	0.150E	0.750E	0.512	0.056	0.060	---	---	30
31	---		5.53 B		0.505		1.25 E	0.495		0.056		---	31
TOTAL	---	---	103.475	47.926	22.930	9.790	7.576	37.612	6.933	2.381	---	---	TOTAL
MEAN	---	---	3.34	1.60	0.740	0.326	0.244	1.21	0.231	0.077	---	---	MEAN
MAX	---	---	6.60	4.56	1.10	0.509	1.25	2.23	0.456	0.137	---	---	MAX
MIN	---	---	0.070	0.610	0.505	0.150	0.050	0.418	0.056	0.014	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.974
MAXIMUM DAILY, 6.60B ON MAR 17
MINIMUM DAILY, 0.014 ON OCT 23
MAXIMUM INSTANTANEOUS,
10.4 AT 19:30 MST ON MAR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 04 25 N
LONG 113 21 54 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	655
FEB	---	AUG	3 250
MAR	8 940	SEP	599
APR	4 140	OCT	206
MAY	1 980	NOV	---
JUN	846	DEC	---

TOTAL DISCHARGE, 20 600 dam³

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	0.278	0.535	0.539	0.613	0.437	0.039	---	1
2	---	---	---	---	0	0.211	0.404	0.465	0.516	0.519	0.029A	---	2
3	---	---	---	---	0	0.149	0.292	0.528	0.530	0.545	---	---	3
4	---	---	---	---	0	0.249	0.444	0.603	0.540	0.514	---	---	4
5	---	---	---	---	0	0.291	0.315	0.743	0.478	0.652	---	---	5
6	---	---	---	---	0.080	0.261	0.380	0.471	0.607	0.561	---	---	6
7	---	---	---	---	0.166	0.223	0.403	0.452	0.636	0.569	---	---	7
8	---	---	---	---	0.137	0.303	0.310	0.566	0.684	0.498	---	---	8
9	---	---	---	---	0.105	0.212	0.322	0.444	0.593	0.448	---	---	9
10	---	---	---	---	0.075	0.212	0.372	0.467	0.439	0.433	---	---	10
11	---	---	---	---	0.119	0.287	0.491	0.426	0.626	0.484	---	---	11
12	---	---	---	---	0.142	0.417	0.444	0.626	0.459	0.540	---	---	12
13	---	---	---	---	0.127	1.28	1.55	0.586	0.584	0.431	---	---	13
14	---	---	---	---	0.053	1.64	1.49	0.663	0.575	0.407	---	---	14
15	---	---	---	---	0.091	0.657A	1.31	0.750	0.615	0.501	---	---	15
16	---	---	---	---	1.11	0.465E	0.965A	0.968	0.523	0.606	---	---	16
17	---	---	---	---	0.720	0.446E	0.589E	1.00	0.525	0.589	---	---	17
18	---	---	---	---	0.278	0.444E	0.731E	0.634	0.544	0.658	---	---	18
19	---	---	---	---	0.144	0.441E	0.699E	0.670	0.513	0.662	---	---	19
20	---	---	---	---	0.125	0.432E	0.846A	0.472	0.710	0.727	---	---	20
21	---	---	---	---	0.110	0.433E	0.674	0.454	0.708	0.732	---	---	21
22	---	---	---	---	0.112	0.438E	0.642	0.371	0.425	0.690	---	---	22
23	---	---	---	---	0.328	0.435E	0.639	0.520	0.353	0.585	---	---	23
24	---	---	---	---	0.404	0.457A	0.689	0.558	0.483	0.309	---	---	24
25	---	---	---	---	0.380	0.456A	0.748	0.607	0.521	0.157	---	---	25
26	---	---	---	---	0.288	0.478	0.805	0.639	0.451	0.120	---	---	26
27	---	---	---	0A	0.173	0.521	0.942	0.475	0.407	0.070	---	---	27
28	---	---	---	0	0.186	0.499	0.713	0.453	0.529	0.063	---	---	28
29	---		---	0	0.303	0.667	0.621	0.644	0.355	0.061	---	---	29
30	---		---	0	0.249	0.641	0.592	0.773	0.273	0.049	---	---	30
31	---		---		0.250		0.642	0.816		0.045	---	---	31
TOTAL	---	---	---	---	6.255	13.923	20.599	18.383	15.815	13.662	---	---	TOTAL
MEAN	---	---	---	---	0.202	0.464	0.664	0.593	0.527	0.441	---	---	MEAN
MAX	---	---	---	---	1.11	1.64	1.55	1.00	0.710	0.732	---	---	MAX
MIN	---	---	---	---	0	0.149	0.292	0.371	0.273	0.045	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAY TO OCT

MEAN, 0.482
MAXIMUM DAILY, 1.64 ON JUN 14
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 30 N
LONG 112 49 30 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 780
FEB	---	AUG	1 590
MAR	---	SEP	1 370
APR	---	OCT	1 180
MAY	540	NOV	---
JUN	1 200	DEC	---

TOTAL DISCHARGE, 7 660 dam³

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.858	0.156	0.040	0 E	0.087	0.013	0	---	---	1
2	---	---	---	0.841	0.160	0.039	0 E	0.073	0.012	0	---	---	2
3	---	---	---	0.803	0.170	0.043	0 E	0.061	0.012	0	---	---	3
4	---	---	---	0.785	0.160	0.039	0	0.039	0.011	0	---	---	4
5	---	---	---	0.659	0.127	0.050	0	0.014	0.011	0	---	---	5
6	---	---	---	0.491	0.099	0.050	0	0.003	0.011	0	---	---	6
7	---	---	---	0.469	0.111	0.047	0	0.013	0.011	0	---	---	7
8	---	---	---	0.430	0.109	0.042	0.002	0.018	0.012	0	---	---	8
9	---	---	---	0.408	0.065	0.039	0.005	0.022	0.012	0	---	---	9
10	---	---	---	0.390	0.037	0.033	0.002	0.023	0.010	0	---	---	10
11	---	---	0.170B	0.443	0.030	0.028	0	0.031	0.009	0	---	---	11
12	---	---	0.145B	0.443	0.003	0.023	0	0.046	0.007	0	---	---	12
13	---	---	0.73'B	0.424	0	0.019	0	0.052	0.005	0	---	---	13
14	---	---	1.01 B	0.410	0.007	0.015	0.002	0.056	0.003	0	---	---	14
15	---	---	2.26 B	0.406	0.018	0.011	0.005	0.059	0.001	0	---	---	15
16	---	---	2.27 B	0.385	0.009	0.008	0.011	0.061	0	0	---	---	16
17	---	---	0.810B	0.351	0.012	0.020	0.013	0.063	0	0	---	---	17
18	---	---	2.35 B	0.316	0.005	0.025	0.016	0.063	0	0.002	---	---	18
19	---	---	---	0.293	0.003	0.019	0.017	0.061	0	0	---	---	19
20	---	---	---	0.282	0.012	0.018	0.016	0.058	0	0	---	---	20
21	---	---	---	0.261	0.017	0.026	0.017	0.055	0	0	---	---	21
22	---	---	---	0.211	0.023	0.023	0.018	0.051	0	0	---	---	22
23	---	---	---	0.199	0.038	0.018	0.036	0.046	0.001	0	---	---	23
24	---	---	---	0.199	0.037	0.011	0.046	0.041	0.001	0	---	---	24
25	---	---	---	0.209	0.001	0.003	0.044	0.036	0.002	0	---	---	25
26	---	---	0.102B	0.200	0	0	0.045	0.031	0.002	0	---	---	26
27	---	---	0.122B	0.176	0	0 E	0.048	0.025	0.002	0	---	---	27
28	---	---	0.273	0.152	0.002	0 E	0.053	0.019	0.003	0	---	---	28
29	---		0.616	0.151	0.016	0 E	0.051	0.013	0.002	0	---	---	29
30	---		0.817	0.156	0.024	0 E	0.065	0.016	0.001	0	---	---	30
31	---		0.824		0.035		0.066	0.015		0	---	---	31
TOTAL	---	---	---	11.801	1.486	0.689	0.578	1.251	0.154	0.002	---	---	TOTAL
MEAN	---	---	---	0.393	0.048	0.023	0.019	0.040	0.005	0	---	---	MEAN
MAX	---	---	---	0.858	0.170	0.050	0.066	0.087	0.013	0.002	---	---	MAX
MIN	---	---	---	0.151	0	0	0	0.003	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1981

MINIMUM DAILY, 0 ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 58 N
LONG 113 09 49 W
DRAINAGE AREA, 90.1 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	49.9
FEB	---	AUG	108
MAR	---	SEP	13.3
APR	1 020	OCT	0.1/
MAY	128	NOV	---
JUN	59.5	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.108B	0.024	0	0	0.012	0	0	---	---	1
2	---	---	---	0.120B	0.024	0	0	0.005	0	0	---	---	2
3	---	---	---	0.112B	0.023	0.003	0	0.005	0	0	---	---	3
4	---	---	---	0.102B	0.023	0.007	0	0.003	0	0	---	---	4
5	---	---	---	0.092B	0.022	0.006	0	0	0	0	---	---	5
6	---	---	---	0.089B	0.023	0.003	0	0	0	0	---	---	6
7	---	---	---	0.080B	0.025	0	0	0	0	0	---	---	7
8	---	---	---	0.077B	0.022	0	0.005	0	0	0	---	---	8
9	---	---	---	0.068B	0.019	0	0.005	0	0	0	---	---	9
10	---	---	---	0.062B	0.016	0	0.001	0	0	0	---	---	10
11	---	---	0.009B	0.055B	0.014	0	0	0	0	0	---	---	11
12	---	---	0.068B	0.042B	0.011	0	0	0	0	0	---	---	12
13	---	---	0.161B	0.045B	0.009	0	0	0	0	0	---	---	13
14	---	---	0.333B	0.041B	0.009	0	0	0	0	0	---	---	14
15	---	---	0.344B	0.036	0.010	0	0.001	0	0	0	---	---	15
16	---	---	0.544B	0.035	0.008	0	0.005	0	0	0	---	---	16
17	---	---	0.335B	0.034	0.007	0	0.003	0	0	0	---	---	17
18	---	---	0.442B	0.033	0.006	0	0	0	0	0	---	---	18
19	---	---	0.246B	0.033	0.005	0	0	0	0	0	---	---	19
20	---	---	0.164B	0.033	0.004	0	0.001	0	0	0	---	---	20
21	---	---	0.106B	0.033	0.003	0	0	0	0	0E	---	---	21
22	---	---	0.069B	0.033	0.003	0	0.001	0	0	0E	---	---	22
23	---	---	0.042B	0.031	0.003	0	0.007	0	0	0E	---	---	23
24	---	---	0.063B	0.030	0.001	0	0.006	0	0	0E	---	---	24
25	---	---	0.084B	0.029	0.002	0	0.004	0	0	0E	---	---	25
26	---	---	0.080B	0.027	0	0	0	0	0	0E	---	---	26
27	---	---	0.124B	0.026	0	0	0	0	0	0E	---	---	27
28	---	---	0.200B	0.025	0	0	0	0	0	0E	---	---	28
29	---		0.175B	0.025	0	0	0	0	0	0E	---	---	29
30	---		0.149B	0.024	0	0	0.001	0	0	0E	---	---	30
31	---		0.126B		0		0.005	0		0E		---	31
TOTAL	---	---	---	1.580	0.316	0.019	0.045	0.025	0	0	---	---	TOTAL
MEAN	---	---	---	0.053	0.010	0.001	0.001	0.001	0	0	---	---	MEAN
MAX	---	---	---	0.120	0.025	0.007	0.007	0.012	0	0	---	---	MAX
MIN	---	---	---	0.024	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.544B ON MAR 16
MINIMUM DAILY, 0 ON MAY 26

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 43 N
LONG 113 08 48 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.89
FEB	---	AUG	2.16
MAR	---	SEP	0
APR	137	OCT	0
MAY	27.3	NOV	---
JUN	1.64	DEC	---

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.039	0.006	0	0	0.003	0	0	---	---	1
2	---	---	---	0.037	0.006	0	0	0.001	0	0	---	---	2
3	---	---	---	0.039	0.006	0	0	0.001	0	0	---	---	3
4	---	---	---	0.055	0.005	0	0	0	0	0	---	---	4
5	---	---	---	0.022	0.005	0	0	0	0	0	---	---	5
6	---	---	---	0.025	0.006	0	0	0	0	0	---	---	6
7	---	---	---	0.022	0.008	0	0	0	0	0	---	---	7
8	---	---	---	0.016	0.007	0	0	0	0	0	---	---	8
9	---	---	---	0.010	0.006	0	0	0	0	0	---	---	9
10	---	---	---	0.009	0.007	0	0	0	0	0	---	---	10
11	---	---	0.054B	0.006	0.007	0	0	0	0	0	---	---	11
12	---	---	0.328B	0.006	0.006	0	0	0	0	0	---	---	12
13	---	---	0.255B	0.006	0.005	0	0	0	0	0	---	---	13
14	---	---	0.697B	0.005	0.004	0	0	0	0	0	---	---	14
15	---	---	0.689B	0.003	0.007	0	0.002	0	0	0	---	---	15
16	---	---	0.389B	0.003	0.006	0	0.002	0	0	0	---	---	16
17	---	---	0.314B	0.004	0.005	0	0.001	0	0	0	---	---	17
18	---	---	0.348B	0.004	0.004	0	0	0	0	0	---	---	18
19	---	---	0.143B	0.004	0.003	0	0	0	0	0	---	---	19
20	---	---	0 B	0.005	0.003	0	0	0	0	0	---	---	20
21	---	---	---	0.005	0.002	0	0.001	0	0	0	---	---	21
22	---	---	---	0.006	0	0	0.001	0	0	0E	---	---	22
23	---	---	0.013B	0.006	0	0	0.001	0	0	0E	---	---	23
24	---	---	0.014B	0.006	0	0	0	0	0	0E	---	---	24
25	---	---	0.033B	0.006	0	0	0	0	0	0E	---	---	25
26	---	---	0.048B	0.003	0	0	0	0	0	0E	---	---	26
27	---	---	0.031B	0.003	0	0	0	0	0	0E	---	---	27
28	---	---	0.029B	0.006	0	0	0	0	0	0E	---	---	28
29	---		0.044B	0.006	0	0	0	0	0	0E	---	---	29
30	---		0.061B	0.006	0	0	0.001	0	0	0E	---	---	30
31	---		0.050B		0		0.001	0		0E		---	31
TOTAL	---	---	---	0.373	0.114	0	0.010	0.005	0	0	---	---	TOTAL
MEAN	---	---	---	0.012	0.004	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	0.055	0.008	0	0.002	0.003	0	0	---	---	MAX
MIN	---	---	---	0.003	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.697B ON MAR 14
MINIMUM DAILY, 0B ON MAR 20

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 48 N
LONG 113 08 49 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.86
FEB	---	AUG	0.43
MAR	---	SEP	0
APR	32.2	OCT	0
MAY	9.85	NOV	---
JUN	0	DEC	---

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.045B	0.003	0.001	0	0.010	0.007	0.008	---	---	1
2	---	---	---	0.031B	0.003	0	0	0.009	0.008	0.008	---	---	2
3	---	---	---	0.029B	0.004	0.002	0	0.011	0.008	0.008	---	---	3
4	---	---	---	0.028B	0.003	0.001	0	0.009	0.008	0.008	---	---	4
5	---	---	---	0.026B	0.003	0	0	0.009	0.008	0.008	---	---	5
6	---	---	---	0.024B	0.004	0.001	0	0.009	0.007	0.008	---	---	6
7	---	---	---	0.022B	0.004	0	0.001	0.008	0.006	0.008	---	---	7
8	---	---	---	0.021B	0.004	0	0.001	0.008	0.004	0.010	---	---	8
9	---	---	---	0.019B	0.003	0.001	0.001	0.008	0.002	0.009	---	---	9
10	---	---	---	0.017B	0.003	0.001	0	0.007	0	0.009	---	---	10
11	---	---	0.001B	0.016B	0.003	0.001	0	0.007	0	0.009	---	---	11
12	---	---	0.045B	0.014B	0.003	0.001	0	0.007	0	0.008	---	---	12
13	---	---	0.024B	0.012B	0.002	0.001	0	0.007	0	0.009	---	---	13
14	---	---	0.012B	0.010B	0.002	0.001	0.001	0.007	0	0.009	---	---	14
15	---	---	0.053B	0.009B	0.004	0.001	0.001	0.007	0	0.009	---	---	15
16	---	---	0.038B	0.008B	0.004	0.001	0.001	0.007	0	0.009	---	---	16
17	---	---	0.039B	0.007B	0.003	0.002	0	0.007	0	0.009	---	---	17
18	---	---	0.091B	0.007B	0.003	0.001	0	0.006	0	0.009	---	---	18
19	---	---	0.072B	0.006B	0.002	0.001	0	0.004	0	0.009	---	---	19
20	---	---	0.054B	0.006B	0.002	0.002	0	0.003	0	0.009	---	---	20
21	---	---	0.036B	0.006B	0.002	0.002	0	0.002	0	0 E	---	---	21
22	---	---	0.018B	0.005B	0.001	0.001	0	0.002	0	0 E	---	---	22
23	---	---	0 B	0.005E	0.001	0.001	0.001	0.001	0	0 E	---	---	23
24	---	---	0.008B	0.005E	0.001	0.001	0	0	0	0 E	---	---	24
25	---	---	0.014B	0.004E	0	0.001	0	0	0.002	0 E	---	---	25
26	---	---	0.022B	0.004E	0.001	0	0	0	0.003	0 E	---	---	26
27	---	---	0.017B	0.004	0.001	0	0	0	0.006	0 E	---	---	27
28	---	---	0.014B	0.002	0.001	0	0	0	0.008	0 E	---	---	28
29	---		0.022B	0.003	0.001	0	0	0	0.008	0 E	---	---	29
30	---		0.034B	0.003	0.001	0	0.007	0.002	0.008	0 E	---	---	30
31	---		0.039B		0.001		0.010	0.005		0 E		---	31
TOTAL	---	---	---	0.398	0.073	0.025	0.024	0.162	0.093	0.173	---	---	TOTAL
MEAN	---	---	---	0.013	0.002	0.001	0.001	0.005	0.003	0.006	---	---	MEAN
MAX	---	---	---	0.045	0.004	0.002	0.010	0.011	0.008	0.010	---	---	MAX
MIN	---	---	---	0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.091B ON MAR 18
MINIMUM DAILY, 0B ON MAR 23

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 44 N
LONG 113 08 47 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.07
FEB	---	AUG	14.0
MAR	---	SEP	8.04
APR	34.4	OCT	14.9
MAY	6.31	NOV	---
JUN	2.16	DEC	---

FONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	22.2	16.8E	10.8	8.07E	2.33E	1.44	---	---	1
2	---	---	0B	0 B	35.0	15.3	10.3	7.80E	2.27	1.72	---	---	2
3	---	---	0B	0 B	44.7	14.5E	9.51E	7.53	1.88	1.54E	---	---	3
4	---	---	0B	0 B	46.8	13.7	8.71	7.38	2.14	1.35	---	---	4
5	---	---	0B	0 B	47.2	13.1	8.67	7.09	1.76	1.68	---	---	5
6	---	---	0B	0 B	49.6	12.7	7.49	6.99E	1.47	1.58E	---	---	6
7	---	---	0B	0 B	52.1	15.2E	7.29	6.89	1.60E	1.48E	---	---	7
8	---	---	0B	0 B	54.6	17.8	7.15E	6.40E	1.72	1.39	---	---	8
9	---	---	0B	0 B	54.0	18.8	7.02	5.90	1.45	1.41E	---	---	9
10	---	---	0B	0 B	46.0	22.0	6.64	5.38	1.42	1.42	---	---	10
11	---	---	0B	0 B	38.4	26.8	6.64	5.12E	1.34E	1.94E	---	---	11
12	---	---	0B	0 B	34.2	28.5	6.75	4.87E	1.26	2.46	---	---	12
13	---	---	0B	0 B	32.4	21.1	7.31	4.62	1.19E	2.39	---	---	13
14	---	---	0B	0 B	30.2	19.7	7.78	4.37E	1.12	2.45	---	---	14
15	---	---	0B	0 B	27.7	18.7	8.96	4.12	1.09	2.35E	---	---	15
16	---	---	0B	0 B	26.3	16.7	14.4	4.01	1.07E	2.25E	---	---	16
17	---	---	0B	0 B	24.7	15.2	19.0	3.88E	1.05E	2.16	---	---	17
18	---	---	0B	0 B	23.2	14.1	17.3	3.75	1.03	2.45E	---	---	18
19	---	---	0B	0 B	22.0	13.0	13.2	3.57E	2.77	2.74	---	---	19
20	---	---	0B	0 B	22.4	12.2	12.4	3.39	2.04	2.40B	---	---	20
21	---	---	0B	0 B	22.9	12.2	13.9	3.33E	1.27	2.10B	---	---	21
22	---	---	0B	0 B	22.7	12.3	16.9	3.27	1.01	1.79B	---	---	22
23	---	---	0B	0.001B	22.6	13.1	16.9	2.98E	1.18E	1.94B	---	---	23
24	---	---	0B	0.100B	21.8E	12.8E	14.7 E	2.68	1.35	1.68B	---	---	24
25	---	---	0B	0.433B	21.0	12.4	12.5	2.68E	1.54E	1.64B	---	---	25
26	---	0B	0B	1.70 B	23.8	12.8E	11.5 E	2.67	1.74	1.61B	---	---	26
27	---	0B	0B	7.78 B	24.8	13.3	10.5	2.52E	1.65	1.57B	---	---	27
28	---	0B	0B	6.26 B	23.2	12.3	9.61	2.37	1.49E	1.55B	---	---	28
29	---		0B	10.8 B	22.0	12.2	9.36	2.37	1.34	1.21B	---	---	29
30	---		0B	18.5	20.2E	11.4	8.85E	2.38E	1.25	1.18B	---	---	30
31	---		0B		18.4		8.33	2.39		1.15B		---	31
TOTAL	---	---	0	45.574	977.1	470.7	330.37	140.77	45.82	56.02	---	---	TOTAL
MEAN	---	---	0	1.52	31.5	15.7	10.7	4.54	1.53	1.81	---	---	MEAN
MAX	---	---	0	18.5	54.6	28.5	19.0	8.07	2.77	2.74	---	---	MAX
MIN	---	---	0	0	18.4	11.4	6.64	2.37	1.01	1.15	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.43
MAXIMUM DAILY, 54.6 ON MAY 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
55.5 AT 18:30 MST ON MAY 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 27 53 N
LONG 116 15 23 W
DRAINAGE AREA, 2 550 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28 500
FEB	---	AUG	12 200
MAR	0	SEP	3 960
APR	3 940	OCT	4 840
MAY	84 900	NOV	---
JUN	40 700	DEC	---

TOTAL DISCHARGE, 179 080 dam³

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.100B	0.050B	0.070B	0.270B	2.91	0.673	0.264	0.300E	0.051	0.011	0.230E	0.045B	1
2	0.100B	0.040B	0.080B	0.260B	2.84	0.609	0.242	0.310E	0.073	0.015	0.230E	0.040B	2
3	0.100B	0.030B	0.080A	0.260B	2.69	0.634	0.235	0.328A	0.041	0.014	0.225E	0.040B	3
4	0.100B	0.030B	0.090B	0.250B	2.75	0.760	0.244	0.280E	0.032	0.009	0.225E	0.040B	4
5	0.100B	0.020B	0.090B	0.240B	2.63	0.810	0.179	0.230E	0.031	0.004	0.220E	0.035B	5
6	0.100B	0.020B	0.100B	0.230B	2.55	0.661	0.194	0.200E	0.037	0.004	0.215E	0.035B	6
7	0.100B	0.010B	0.100B	0.220B	2.45	0.655	0.322	0.180E	0.046	0.005	0.210E	0.030B	7
8	0.100B	0.010B	0.110B	0.200B	2.28	0.678	0.815	0.160E	0.056	0.008	0.205E	0.030B	8
9	0.100B	0.005B	0.120B	0.160B	2.12	0.738	0.671	0.140E	0.057	0.116	0.200E	0.025B	9
10	0.100B	0 B	0.130B	0.130B	2.07	0.698	0.623	0.120E	0.063	0.211	0.195E	0.025B	10
11	0.100B	0 B	0.150B	0.110B	2.00	0.625	0.674	0.110E	0.054	0.175	0.190E	0.022B	11
12	0.100B	0 B	0.160B	0.100B	1.89	0.578	0.695	0.100E	0.037	0.159	0.180E	0.020B	12
13	0.100B	0 B	0.180B	0.090B	1.83	0.523	0.644	0.090E	0.017	0.170	0.160E	0.020B	13
14	0.100B	0 B	0.190B	0.090B	1.60	0.500	0.693	0.080E	0.009	0.166	0.140E	0.015B	14
15	0.100B	0.005B	0.200B	0.080B	1.40	0.407	0.851	0.075E	0.005	0.159	0.120B	0.010B	15
16	0.100B	0.007B	0.210B	0.080B	1.34	0.388	0.807	0.075E	0.006	0.254	0.110B	0.010B	16
17	0.100B	0.010B	0.210B	0.090B	1.37	0.332	0.738	0.075E	0.007	0.237	0.100B	0.010B	17
18	0.100B	0.020B	0.210B	0.090B	1.38	0.254	0.715	0.075E	0.006	0.196	0.095B	0.010B	18
19	0.097B	0.020B	0.200B	0.090B	1.41	0.242	0.747	0.080E	0.009	0.259	0.090B	0.010B	19
20	0.090B	0.030B	0.200B	0.172	1.39	0.225	0.694A	0.085E	0.011	0.200B	0.085B	0.010B	20
21	0.090B	0.030B	0.210B	0.279	1.34	0.220	0.850E	0.100E	0.012	0.227	0.080B	0.010B	21
22	0.090B	0.040B	0.220B	0.338	1.24	0.301	1.04 A	0.140E	0.014	0.182	0.075B	0.010B	22
23	0.080B	0.040B	0.230B	0.423	1.19	0.368	1.10 A	0.120E	0.017	0.185B	0.070B	0.010B	23
24	0.080B	0.040B	0.240B	0.509	1.17	0.370	1.08 E	0.110E	0.016	0.187	0.065B	0.010B	24
25	0.070B	0.050B	0.250B	1.03	1.13	0.385	0.900E	0.100E	0.015	0.185	0.060B	0.010B	25
26	0.070B	0.050B	0.258B	1.74	1.08	0.385	0.790E	0.096A	0.014	0.180B	0.060B	0.010B	26
27	0.070B	0.060B	0.270B	2.40	1.10	0.359	0.650E	0.086	0.013	0.180B	0.055B	0.005B	27
28	0.060B	0.060B	0.270B	2.74	1.02	0.343	0.530E	0.091	0.012	0.218	0.055B	0.005B	28
29	0.060B		0.270B	2.86	0.920	0.316	0.420E	0.081	0.010	0.239A	0.050B	0.005B	29
30	0.050B		0.270B	2.93	0.842	0.286	0.350E	0.061	0.008	0.235E	0.050B	0.002B	30
31	0.050B		0.270B		0.763		0.310E	0.048		0.235E		0 B	31
TOTAL	2.757	0.677	5.638	18.461	52.695	14.323	19.067	4.126	0.779	4.625	4.045	0.559	TOTAL
MEAN	0.089	0.024	0.182	0.615	1.70	0.477	0.615	0.133	0.026	0.149	0.135	0.018	MEAN
MAX	0.100	0.060	0.270	2.93	2.91	0.810	1.10	0.328	0.073	0.259	0.230	0.045	MAX
MIN	0.050	0	0.070	0.080	0.763	0.220	0.179	0.048	0.005	0.004	0.050	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.350
MAXIMUM DAILY, 2.93 ON APR 30
MINIMUM DAILY, 0B ON FEB 10
MAXIMUM INSTANTANEOUS,
3.30 AT 09:45 MST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 54 50 N
LONG 111 27 35 W
DRAINAGE AREA, 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	238	JUL	1 650
FEB	58.5	AUG	356
MAR	487	SEP	67.3
APR	1 600	OCT	400
MAY	4 550	NOV	349
JUN	1 240	DEC	48.3

TOTAL DISCHARGE, 11 000 dam³

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.015B	0.175B	0.185E	0.077	0.089E	0.122	0.037	0.029	---	---	1
2	---	---	0.016B	0.210B	0.180E	0.068	0.098E	0.102	0.035	0.028	---	---	2
3	---	---	0.017B	0.257B	0.170E	0.082	0.100E	0.088	0.032	0.029	---	---	3
4	---	---	0.018B	0.277B	0.160E	0.092	0.095E	0.084	0.031	0.031	---	---	4
5	---	---	0.018B	0.293B	0.150E	0.083	0.089E	0.083	0.031	0.034	---	---	5
6	---	---	0.018B	0.282B	0.140E	0.074	0.083E	0.072	0.030	0.038	---	---	6
7	---	---	0.018B	0.309B	0.130E	0.064	0.100E	0.065	0.029	0.040	---	---	7
8	---	---	0.019B	0.308B	0.125E	0.060	0.150E	0.062	0.026	0.060	---	---	8
9	---	---	0.020B	0.255B	0.120E	0.057	0.170E	0.059	0.026	0.066	---	---	9
10	---	---	0.021B	0.214B	0.115E	0.060	0.155E	0.055	0.025	0.054	0.046B	---	10
11	---	---	0.023B	0.202B	0.106E	0.060	0.145E	0.054	0.025	0.048	---	---	11
12	---	---	0.025B	0.241B	0.100E	0.058	0.135E	0.051	0.023	0.048	---	---	12
13	---	---	0.029B	0.241B	0.094E	0.066	0.160E	0.051	0.022	0.049	---	---	13
14	---	---	0.033B	0.168B	0.090E	0.064	0.171A	0.049	0.023	0.048	---	---	14
15	---	---	0.038B	0.160B	0.078A	0.062	0.172	0.049	0.023	0.049	---	---	15
16	---	---	0.044B	0.175B	0.087	0.087	0.167	0.046	0.022	0.051	---	---	16
17	---	---	0.050B	0.185B	0.086	0.103	0.157	0.046	0.021	0.055	---	---	17
18	---	---	0.054B	0.190E	0.085	0.089	0.141	0.045	0.021	0.059	---	---	18
19	---	---	0.042B	0.190E	0.082	0.082	0.133	0.043	0.021	0.055	---	---	19
20	---	---	0.036B	0.180E	0.084	0.116	0.153	0.043	0.025	0.052	---	---	20
21	---	---	0.033B	0.166E	0.081	0.309	0.219	0.046	0.028	0.050	---	---	21
22	---	---	0.031B	0.155E	0.079	0.416	0.329	0.044	0.027	0.048	---	---	22
23	---	---	0.032B	0.145E	0.075	0.464	0.323	0.042	0.027	0.047	---	---	23
24	---	---	0.034B	0.140E	0.072	0.698A	0.313	0.038	0.026	0.047	---	---	24
25	---	---	0.036B	0.160E	0.069	0.360E	0.255	0.037	0.027	0.049	---	---	25
26	---	---	0.041B	0.165E	0.068	0.240E	0.219	0.036	0.026	0.053	---	---	26
27	---	---	0.048B	0.155E	0.067	0.150E	0.203	0.034	0.028	0.050	---	---	27
28	---	---	0.061B	0.145E	0.069	0.100E	0.190	0.033	0.028	0.050	---	---	28
29	---		0.078B	0.160E	0.070	0.085E	0.183	0.033	0.029	0.049	---	---	29
30	---		0.099B	0.190E	0.068	0.084E	0.171	0.048	0.026	0.054B	---	---	30
31	---		0.110B		0.070		0.164	0.041		0.048B		---	31
TOTAL	---	---	1.157	6.093	3.155	4.410	5.212	1.701	0.800	1.468	---	---	TOTAL
MEAN	---	---	0.037	0.203	0.102	0.147	0.168	0.055	0.027	0.047	---	---	MEAN
MAX	---	---	0.110	0.309	0.185	0.698	0.329	0.122	0.037	0.066	---	---	MAX
MIN	---	---	0.015	0.140	0.067	0.057	0.083	0.033	0.021	0.028	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.698A ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 20 N
LONG 113 34 25 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	450
FEB	---	AUG	147
MAR	100	SEP	69.1
APR	526	OCT	127
MAY	273	NOV	---
JUN	381	DEC	---

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.163	0.271	0.419	0.653	0.296	0.357	5.91	0.202B	1
2	---	---	---	---	0.141	0.259	0.408	0.637	0.303	0.354	5.75	0.194B	2
3	---	---	---	---	0.123	0.277	0.427	0.564	0.335	0.368	5.58	0.186B	3
4	---	---	---	---	0.110	0.270	0.407	0.546	0.375	0.388	5.46	0.131B	4
5	---	---	---	---	0.132	0.243	0.399	0.635	0.373	0.423	5.65	0.159B	5
6	---	---	---	---	0.217	0.235	0.425	0.596	0.374	0.446	5.89	0.161B	6
7	---	---	---	---	0.247	0.225	0.474	0.638	0.348	0.424	5.81	0.170B	7
8	---	---	---	---	0.361	0.237	0.512	0.719	0.380	0.439	5.54	0.158B	8
9	---	---	---	---	0.420	0.296	0.561	0.745	0.383	0.456	5.19	0.110B	9
10	---	---	---	---	0.410	0.343	0.545	0.709	0.372	0.498	5.06	0.111B	10
11	---	---	---	---	0.352	0.375	0.578	0.657	0.407	0.601	5.13	0.093B	11
12	---	---	---	---	0.322	0.411	0.580	0.603	0.445	0.630	4.96	0.052B	12
13	---	---	---	---	0.274	0.784	0.675	0.570	0.450	0.615	4.96	0.083B	13
14	---	---	---	---	0.252	2.16	0.622	0.566	0.469	0.613	5.03	0.074B	14
15	---	---	---	---	0.306	2.24	0.518	0.588	0.459	0.563	4.99	0.082B	15
16	---	---	---	---	0.824	2.00	0.475	0.534	0.412	0.576	4.59	0.087B	16
17	---	---	---	---	1.82	1.12	0.512	0.396	0.359	0.600	4.63	---	17
18	---	---	---	---	1.56	1.01	0.564	0.346	0.354	0.605	4.33	---	18
19	---	---	---	---	0.922	0.925	0.634	0.328	0.348	0.588	3.72	---	19
20	---	---	---	---	0.891	0.828	0.674	0.352	0.375	0.655	2.98	---	20
21	---	---	---	---	1.70	0.726	0.635	0.359	0.392	0.642	2.11	---	21
22	---	---	---	---	1.33	0.636	0.587	0.371	0.379	0.588	1.19	---	22
23	---	---	---	---	1.42	0.401	0.654	0.398	0.371	0.473	0.761B	---	23
24	---	---	---	---	1.44	0.329	0.829	0.388	0.381	0.435	0.557B	---	24
25	---	---	---	---	1.03	0.310	1.01	0.364	0.409	0.389	0.417B	---	25
26	---	---	---	---	0.539	0.304	1.07	0.318	0.392	0.335	0.331B	---	26
27	---	---	---	---	0.441	0.346	0.911	0.304	0.390	0.298	0.333B	---	27
28	---	---	---	0.167A	0.403	0.443	0.732	0.287	0.430	0.846	0.313B	---	28
29	---		---	0.168	0.343	0.453	0.787	0.252	0.413	4.82	0.293B	---	29
30	---		---	0.173	0.305	0.435	0.764	0.263	0.396	6.04	0.240B	---	30
31	---		---		0.282		0.712	0.280		5.83		---	31
TOTAL	---	---	---	---	19.080	18.392	19.100	14.966	11.570	30.895	107.705	---	TOTAL
MEAN	---	---	---	---	0.615	0.630	0.616	0.483	0.386	0.997	3.59	---	MEAN
MAX	---	---	---	---	1.82	2.24	1.07	0.745	0.469	6.04	5.91	---	MAX
MIN	---	---	---	---	0.110	0.225	0.399	0.252	0.296	0.298	0.240	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 6.04 ON OCT 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 52 N
LONG 112 49 40 W
DRAINAGE AREA, 772 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1919

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 650
FEB	---	AUG	1 290
MAR	---	SEP	1 000
APR	---	OCT	2 670
MAY	1 650	NOV	9 310
JUN	1 630	DEC	---

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0	0.403	0.433	0.304	0.302	0	---	1
2	---	---	---	0	0	0	0.404	0.418	0.305	0.302	0	---	2
3	---	---	---	0	0	0.027	0.379	0.250	0.315	0.314	0	---	3
4	---	---	---	0	0	0.083	0.383	0.242	0.310	0.287	---	---	4
5	---	---	---	0	0	0.113	0.360	0.250	0.297	0.283	---	---	5
6	---	---	---	0	0	0.126	0.309	0.253	0.298	0.281	---	---	6
7	---	---	---	0	0	0.366	0.307	0.250	0.302	0.294	---	---	7
8	---	---	---	0	0	0.400	0.310	0.261	0.302	0.307	---	---	8
9	---	---	---	0	0	0.373	0.355	0.270	0.304	0.341	---	---	9
10	---	---	---	0	0	0.293	0.434	0.326	0.308	0.356	---	---	10
11	---	---	---	0	0	0.195	0.417	0.289	0.306	0.381	---	---	11
12	---	---	---	0	0	0.203	0.400	0.220	0.312	0.368	---	---	12
13	---	---	---	0	0	0.341	0.419	0.245	0.313	0.331	---	---	13
14	---	---	---	0	0	0.336	0.405	0.293	0.300	0.308	---	---	14
15	---	---	---	0	0	0	0.406	0.311	0.283	0.297	---	---	15
16	---	---	---	0	0	0	0.421	0.284	0.285	0.299	---	---	16
17	---	---	---	0	0	0	0.457	0.269	0.298	0.294	---	---	17
18	---	---	---	0	0	0	0.477	0.270	0.299	0.288	---	---	18
19	---	---	---	0	0	0	0.501	0.258	0.297	0.270	---	---	19
20	---	---	---	0	0	0	0.488	0.228	0.298	0.124	---	---	20
21	---	---	---	0	0	0.016	0.487	0.232	0.303	0	---	---	21
22	---	---	---	0	0	0.044	0.506	0.237	0.311	0	---	---	22
23	---	---	---	0	0	0.034	0.498	0.255	0.267	0	---	---	23
24	---	---	0	0	0	0.060	0.516	0.254	0.274	0	---	---	24
25	---	---	0	0	0	0.231	0.525	0.240	0.300	0	---	---	25
26	---	---	0	0	0	0.389	0.511	0.251	0.304	0	---	---	26
27	---	---	0	0	0	0.407	0.487	0.256	0.309	0	---	---	27
28	---	---	0	0	0	0.404	0.526	0.258	0.306	0	---	---	28
29	---		0	0	0	0.395	0.532	0.266	0.303	0	---	---	29
30	---		0	0	0	0.399	0.473	0.304	0.299	0	---	---	30
31	---		0		0		0.381	0.310		0		---	31
TOTAL	---	---	---	0	0	5.235	13.477	8.483	9.012	6.027	---	---	TOTAL
MEAN	---	---	---	0	0	0.175	0.435	0.274	0.300	0.194	---	---	MEAN
MAX	---	---	---	0	0	0.407	0.532	0.433	0.315	0.381	---	---	MAX
MIN	---	---	---	0	0	0	0.307	0.220	0.267	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.197
MAXIMUM DAILY, 0.532 ON JUL 29
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 37 N
LONG 112 53 52 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 160
FEB	---	AUG	733
MAR	---	SEP	779
APR	0	OCT	521
MAY	0	NOV	---
JUN	452	DEC	---

TOTAL DISCHARGE, 3 650 dam³

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.042B	0.119	0.002	0.049	0.059	0.020	0	0	0.046	---	1
2	---	---	0.036B	0.120	0.001	0.040	0.049	0.018	0	0	0.046	---	2
3	---	---	0.032B	0.103	0.001	0.026	0.036	0.016	0	0	0.045A	---	3
4	---	---	0.031	0.073	0.002	0.018	0.026	0.015	0	0	---	---	4
5	---	---	0.028	0.055	0.004	0.015	0.024	0.013	0	0	---	---	5
6	---	---	0.027	0.039	0.006	0.014	0.023	0.011	0	0	---	---	6
7	---	---	0.028	0.027	0.005	0.011	0.022	0.012	0	0	---	---	7
8	---	---	0.026	0.023	0.007	0.008	0.017	0.012	0	0	---	---	8
9	---	---	0.023	0.019	0.055	0.007	0.016	0.012	0	0	---	---	9
10	---	---	0.022	0.016	0.247	0.005	0.014	0.013	0	0.012	---	---	10
11	---	---	0.022	0.014	0.194	0.004	0.014	0.015	0	0.017	---	---	11
12	---	---	0.020	0.013	0.112	0.004	0.012	0.021	0	0.023	---	---	12
13	---	---	0.020	0.011	0.084	0.037	0.014	0.017	0	0.026	---	---	13
14	---	---	0.020	0.009	0.065	6.66	0.022	0.014	0	0.029	---	---	14
15	---	---	0.019	0.008	0.092	8.65	0.022	0.011	0	0.037	---	---	15
16	---	---	0.017	0.008	4.80	1.49	0.023	0.008	0	0.037	---	---	16
17	---	---	0.017	0.006	5.93	0.712	0.025	0.006	0	0.036	---	---	17
18	---	---	0.020	0.006	1.04	0.436	0.025	0.004	0	0.040	---	---	18
19	---	---	0.023	0.005	0.489	0.328	0.025	0.004	0	0.031	---	---	19
20	---	---	0.024	0.005	0.381	0.225	0.023	0.003	0	0.034	---	---	20
21	---	---	0.024	0.005	0.502	0.157	0.017	0.002	0	0.036	---	---	21
22	---	---	0.024	0.004	7.60	0.121	0.016	0.001	0	0.037	---	---	22
23	---	---	0.023	0.003	14.1	0.082	0.015	0	0	0.046	---	---	23
24	---	---	0.023	0.003	3.42	0.069	0.023	0	0	0.056	---	---	24
25	---	0.095B	0.026	0.002	0.898	0.057	0.052	0	0	0.057	---	---	25
26	---	0.072B	0.043	0.002	0.389	0.051	0.068	0	0	0.054	---	---	26
27	---	0.059B	0.050	0.002	0.278	0.052	0.069	0	0	0.054	---	---	27
28	---	0.049B	0.051	0.002	0.198	0.060	0.061	0	0	0.057	---	---	28
29	---		0.056	0.002	0.148	0.061	0.050	0	0	0.054	---	---	29
30	---		0.071	0.002	0.115	0.061	0.029	0	0	0.050	---	---	30
31	---		0.074		0.070		0.024	0		0.043		---	31
TOTAL	---	---	0.962	0.706	41.235	19.510	0.915	0.248	0	0.866	---	---	TOTAL
MEAN	---	---	0.031	0.024	1.33	0.650	0.030	0.008	0	0.028	---	---	MEAN
MAX	---	---	0.074	0.120	14.1	8.65	0.069	0.021	0	0.057	---	---	MAX
MIN	---	---	0.017	0.002	0.001	0.004	0.012	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.263
MAXIMUM DAILY, 14.1 ON MAY 23
MINIMUM DAILY, 0 ON AUG 23
MAXIMUM INSTANTANEOUS,
19.9 AT 08:25 MST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 50 N
LONG 112 57 32 W
DRAINAGE AREA, 227 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	79.1
FEB	---	AUG	21.6
MAR	83.1	SEP	0
APR	61.0	OCT	74.8
MAY	3 560	NOV	---
JUN	1 690	DEC	---

TOTAL DISCHARGE, 5 570 dam³

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.384B	0.640B	0.507	3.92	1.25	19.4	1.66	1.21	---	---	1
2	---	---	0.384B	0.620B	0.506	3.78	1.34	13.0	2.26	1.22	---	---	2
3	---	---	0.384B	0.610B	0.496	3.44	1.09	11.1	2.10	1.22	---	---	3
4	---	---	0.384B	0.600B	0.494	3.15	0.974	11.3	1.89	1.19	---	---	4
5	---	---	0.384B	0.600B	0.521	2.75	0.891	8.73	2.06	1.13	---	---	5
6	---	---	0.384B	0.600B	0.586	2.48	0.904	7.34	2.06	1.12	---	---	6
7	---	---	0.384B	0.590B	0.779	2.28	1.41	6.42	1.76	1.11	---	---	7
8	---	---	0.384B	0.580B	1.54	2.13	1.71	5.77	1.58	1.11	---	---	8
9	---	---	0.384B	0.570B	2.24	2.12	1.26	5.19	1.47	1.10	---	---	9
10	---	---	0.384B	0.507	7.26	2.26	1.07	4.64	1.39	1.08	---	---	10
11	---	---	0.384B	0.478	12.5	2.65	1.05	4.23	1.34	1.07	---	---	11
12	---	---	0.384B	0.430	14.1	2.73	0.963	3.90	1.30	1.07	---	---	12
13	---	---	0.384B	0.457	13.0	2.47	0.868	3.58	1.26	1.06	---	---	13
14	---	---	0.384B	0.438	11.9	2.96	10.4	3.31	1.24	1.13	---	---	14
15	---	---	0.384B	0.464	19.5	2.74	21.3	3.12	1.20	1.10	---	---	15
16	---	---	0.360B	0.499	15.3	2.39	18.4	2.97	1.17	1.09	---	---	16
17	---	---	0.340B	0.558	11.0	2.32	12.4	2.86	1.14	1.14	---	---	17
18	---	---	0.330B	0.584	8.02	2.22	9.15	2.77	1.12	1.07	---	---	18
19	---	---	0.310B	0.595	7.10	2.02	7.15	2.56	1.22	1.06	---	---	19
20	---	---	0.300B	0.640	6.32	1.94	6.39	2.43	1.95	1.09	---	---	20
21	---	---	0.300B	0.640	5.89	1.98	7.49	2.35	1.57	1.02	---	---	21
22	---	---	0.300B	0.591	5.91	1.72	8.79	2.18	1.48	0.989	---	---	22
23	---	---	0.300B	0.584	5.24	1.57	9.64	2.06	1.48	0.988	---	---	23
24	---	---	0.300B	0.619	4.99	1.46	23.2	1.91	1.44	1.07	---	---	24
25	---	---	0.300B	0.572	4.63	1.31	19.4	1.79	1.39	1.19	---	---	25
26	---	---	0.300B	0.496	4.26	1.24	12.0	1.70	1.35	1.28 A	---	---	26
27	---	---	0.350B	0.470	3.84	1.55	9.06	1.61	1.31	1.25 E	---	---	27
28	---	---	0.450B	0.471	3.51	1.49	7.47	1.55	1.27	1.25 E	---	---	28
29	---		0.560B	0.504	3.24	1.25	6.67	1.56	1.24	1.20 E	---	---	29
30	---		0.680B	0.529	2.99	1.09	20.0	1.85	1.22	1.20 E	---	---	30
31	---		0.660B		3.01		20.5	1.75		1.20 E		---	31
TOTAL	---	---	11.900	16.536	181.179	67.41	244.190	144.93	44.92	35.007	---	---	TOTAL
MEAN	---	---	0.384	0.551	5.84	2.25	7.88	4.68	1.50	1.13	---	---	MEAN
MAX	---	---	0.680	0.640	19.5	3.92	23.2	19.4	2.26	1.28	---	---	MAX
MIN	---	---	0.300	0.430	0.494	1.09	0.868	1.55	1.12	0.988	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.05
MAXIMUM DAILY, 23.2 ON JUL 24
MINIMUM DAILY, 0.300B ON MAR 20
MAXIMUM INSTANTANEOUS,
29.5 AT 16:50 MST ON JUL 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 10 N
LONG 115 17 30 W
DRAINAGE AREA, 208 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	21 100
FEB	---	AUG	12 500
MAR	1 030	SEP	3 880
APR	1 430	OCT	3 020
MAY	15 700	NOV	---
JUN	5 820	DEC	---

TOTAL DISCHARGE, 64 500 dam³

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.85B	1.50B	1.49B	2.65B	1.41	8.42	4.27	45.4	6.90	4.79	4.10	3.17B	1
2	1.83B	1.50B	1.49B	2.60B	1.37	9.57	4.17	37.5	7.54	4.76	4.05	3.08B	2
3	1.81B	1.50B	1.49B	2.53B	1.33	9.32	4.24	29.8	8.57	4.73	4.01	3.00B	3
4	1.78B	1.50B	1.49B	2.45B	1.32	8.86	3.91	28.5	8.29	5.00	3.89	2.92B	4
5	1.76B	1.50B	1.49B	2.35B	1.35	7.95	3.63	26.5	8.18	5.12	3.71	2.83B	5
6	1.73B	1.47B	1.68B	2.30B	2.02	6.99	3.60	22.2	8.76	4.98	3.55	2.74B	6
7	1.73B	1.47B	1.80B	2.25B	3.14	6.36	3.79	19.4	8.59	4.85	3.49	2.66B	7
8	1.73B	1.47B	1.90B	2.20B	5.15	6.03	4.09	17.5	7.79	4.76	3.44	2.58B	8
9	1.73B	1.47B	2.00B	2.10B	6.64	6.06	4.43	16.1	7.06	4.66	3.38	2.49B	9
10	1.73B	1.47B	1.95B	2.03B	8.25	6.24	3.93	14.8	6.45	4.60	3.33	2.40B	10
11	1.68B	1.45B	2.39B	1.85B	9.61	7.38	3.69	13.8	6.00	4.58	3.27	2.32B	11
12	1.68B	1.45B	2.49B	1.84	10.1	8.25	3.60	13.0	5.74	4.56	3.27	2.24B	12
13	1.68B	1.45B	2.64B	1.85	9.97	7.91	3.38	12.4	5.56	4.51	3.24B	2.16B	13
14	1.68B	1.45B	2.78B	1.50	9.99	7.71	5.76	11.7	5.42	4.48	3.24B	2.08B	14
15	1.68B	1.45B	2.91B	1.51	12.7	8.11	28.8	11.2	5.31	4.50	3.24B	2.00B	15
16	1.63B	1.45B	3.10B	1.65	19.7	7.52	40.6	10.7	5.47	4.47	3.24B	1.93B	16
17	1.63B	1.45B	2.71B	1.79	17.0	7.11	34.3	10.2	5.62	4.47	3.24B	1.92B	17
18	1.63B	1.45B	2.67B	1.86	15.0	6.69	24.2	9.90	5.58	4.41	3.24B	1.91B	18
19	1.63B	1.45B	2.37B	1.97	13.9	6.38	18.5	9.60	5.29	4.29	3.24B	1.91B	19
20	1.63B	1.45B	2.40B	2.01	12.6	5.97	15.8	9.27	5.97	4.29	3.24B	1.90B	20
21	1.59B	1.46B	2.43B	2.12	11.2	5.89	14.5	9.00	6.81	4.24	3.22B	1.90B	21
22	1.59B	1.46B	2.48B	2.15	10.7	5.86	16.1	8.77	6.18	4.10	3.22B	1.90B	22
23	1.59B	1.46B	2.51B	2.08	10.5	5.43	18.5	8.44	5.96	4.01	3.22B	1.85B	23
24	1.59B	1.46B	2.55B	2.11	10.3	5.22	24.2	8.19	5.84	4.09	3.22B	1.82B	24
25	1.59B	1.46B	2.58B	1.96	10.2	5.03	39.3	7.80	5.63	4.37	3.22B	1.80B	25
26	1.54B	1.49B	2.62B	1.83	9.60	4.77	35.8	7.39	5.51	4.51	3.20B	1.75B	26
27	1.54B	1.49B	2.65B	1.67	8.99	4.83	25.3	7.04	5.39	4.53	3.20B	1.72B	27
28	1.54B	1.49B	2.70B	1.55	8.18	5.06	20.9	6.74	5.21	4.48	3.20B	1.70B	28
29	1.54B		2.72B	1.46	7.66	4.95	19.8	6.59	5.02	4.41	3.20B	1.65B	29
30	1.54B		2.75B	1.42	7.07	4.53	25.7	6.75	4.87	4.34	3.20B	1.64B	30
31	1.54B		2.70B		7.03		49.5	7.07		4.20		1.64B	31
TOTAL	51.42	41.12	71.93	59.64	263.98	200.40	508.29	453.25	190.51	140.09	101.51	67.61	TOTAL
MEAN	1.66	1.47	2.32	1.99	8.52	6.68	16.4	14.6	6.35	4.52	3.38	2.18	MEAN
MAX	1.85	1.50	3.10	2.65	19.7	9.57	49.5	45.4	8.76	5.12	4.10	3.17	MAX
MIN	1.54	1.45	1.49	1.42	1.32	4.53	3.38	6.59	4.87	4.01	3.20	1.64	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.89
MAXIMUM DAILY, 49.5 ON JUL 31
MINIMUM DAILY, 1.32 ON MAY 4
MAXIMUM INSTANTANEOUS,
50.8 AT 15:00 MST ON JUL 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 20 N
LONG 114 55 50 W
DRAINAGE AREA, 860 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 440	JUL	43 900
FEB	3 550	AUG	39 200
MAR	6 210	SEP	16 500
APR	5 150	OCT	12 100
MAY	22 800	NOV	8 770
JUN	17 300	DEC	5 840

TOTAL DISCHARGE, 186 000 dam³

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.097B	0.058	0.031	0.054	0.037	0.006	0.005	---	---	1
2	---	---	0 B	0.100B	0.043	0.033	0.047	0.033	0.004	0.006	---	---	2
3	---	---	0 B	0.099B	0.036	0.034	0.039	0.028	0.003	0.005	---	---	3
4	---	---	0 B	0.098B	0.033	0.035	0.041	0.025	0.004	0.005	---	---	4
5	---	---	0 B	0.097B	0.029	0.033	0.034	0.021	0.003	0.005	---	---	5
6	---	---	0 B	0.096B	0.026	0.034	0.037	0.018	0.003	0.005	---	---	6
7	---	---	0 B	0.095B	0.024	0.041	0.036	0.016	0.003	0.005	---	---	7
8	---	---	0 B	0.094B	0.022	0.038	0.103	0.012	0.002	0.007	---	---	8
9	---	---	0 B	0.092B	0.021	0.042	0.123	0.011	0.002	0.008	---	---	9
10	---	---	0 B	0.090B	0.019	0.043	0.106	0.009	0.002	0.008	---	---	10
11	---	---	0 B	0.088B	0.019	0.038	0.086	0.008	0.001	0.007	---	---	11
12	---	---	0.002B	0.086B	0.021	0.038	0.077	0.008	0.001	0.007	---	---	12
13	---	---	0.004B	0.082B	0.022A	0.036	0.072	0.008	0.001	0.008	---	---	13
14	---	---	0.009B	0.078B	0.026E	0.032	0.074	0.006	0.001	0.009	---	---	14
15	---	---	0.014B	0.074B	0.034E	0.033	0.098	0.005	0.001	0.009	---	---	15
16	---	---	0.018B	0.070B	0.044E	0.044	0.122	0.005	0.001	0.010	---	---	16
17	---	---	0.020B	0.067B	0.053A	0.048	0.111	0.004	0.001	0.010	---	---	17
18	---	---	0.018B	0.066B	0.059	0.047	0.101	0.005	0.001	0.010	---	---	18
19	---	---	0.014B	0.065B	0.058	0.054	0.089	0.004	0.001	0.010	---	---	19
20	---	---	0.010B	0.064B	0.060	0.049	0.081	0.004	0.001	0.010	---	---	20
21	---	---	0.008B	0.063B	0.052	0.085	0.078	0.005	0.002	0.011	---	---	21
22	---	---	0.008B	0.062B	0.046	0.119	0.080	0.005	0.002	0.009	---	---	22
23	---	---	0.010B	0.062B	0.064	0.121	0.083	0.004	0.002	0.011	---	---	23
24	---	---	0.012B	0.052B	0.049	0.115	0.075	0.003	0.005	0.014	---	---	24
25	---	---	0.014B	0.088B	0.037	0.099	0.065	0.003	0.007	0.014	---	---	25
26	---	---	0.017B	0.078B	0.034	0.083	0.054	0.002	0.005	0.014	---	---	26
27	---	---	0.020B	0.051B	0.033	0.073	0.046	0.002	0.005	0.015A	---	---	27
28	---	---	0.022B	0.041	0.028	0.063	0.041	0.001	0.004	0.015E	---	---	28
29	---		0.093B	0.036	0.023	0.056	0.038	0.001	0.004	0.015E	---	---	29
30	---		0.083B	0.033	0.022	0.050	0.035	0.009	0.005	0.015E	---	---	30
31	---		0.090B		0.027		0.038	0.008		0.015E		---	31
TOTAL	---	---	0.486	2.264	1.122	1.647	2.164	0.310	0.083	0.297	---	---	TOTAL
MEAN	---	---	0.016	0.075	0.036	0.055	0.070	0.010	0.003	0.010	---	---	MEAN
MAX	---	---	0.093	0.100	0.064	0.121	0.123	0.037	0.007	0.015	---	---	MAX
MIN	---	---	0	0.033	0.019	0.031	0.034	0.001	0.001	0.005	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.123 ON JUL 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.131 AT 14:10 MST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 32 20 N
LONG 111 13 40 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	187
FEB	---	AUG	26.8
MAR	42.0	SEP	7.17
APR	196	OCT	25.7
MAY	96.9	NOV	---
JUN	142	DEC	---

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	15.9	17.7	6.14	1.58	0.735	0.513	---	---	1
2	---	---	---	---	14.0	15.9	5.03	1.50	0.761	0.755	---	---	2
3	---	---	---	---	9.96	15.5	4.70	1.44	0.739	0.634	---	---	3
4	---	---	---	---	8.35	14.7	4.57	1.40	0.702	0.526	---	---	4
5	---	---	---	---	7.34	14.3	4.30	1.33	0.694	0.499	---	---	5
6	---	---	---	---	6.49	14.2	3.94	1.27	0.673	0.499	---	---	6
7	---	---	---	---	6.03	13.5	3.43	1.22	0.652	0.488	---	---	7
8	---	---	---	---	6.32	11.6	3.05	1.18	0.624	0.468	---	---	8
9	---	---	---	---	7.66	10.1	2.71	1.16	0.603	0.468	---	---	9
10	---	---	---	---	8.85	8.86	2.91	1.10	0.601	0.444	---	---	10
11	---	---	---	---	8.12	8.07	2.66	1.07	0.588	0.476	---	---	11
12	---	---	---	---	7.68	7.58	2.48	1.05	0.576	0.473	---	---	12
13	---	---	---	---	8.76	9.21	2.67	1.23	0.560	0.404	---	---	13
14	---	---	---	---	10.6	11.7	2.49	1.20	0.549	0.481	---	---	14
15	---	---	---	---	16.2	14.8	2.33	1.40	0.546	0.472	---	---	15
16	---	---	---	---	18.4	17.2	2.26	1.11	0.541	0.467	---	---	16
17	---	---	---	---	13.1	15.2	2.14	1.04	0.524	0.459	---	---	17
18	---	---	---	---	16.4	13.9	2.02	1.00	0.509	0.459A	---	---	18
19	---	---	---	---	22.9	13.4	1.94	0.973	0.499	0.420E	---	---	19
20	---	---	---	---	39.1	12.0	1.87	0.924	0.498	0.420E	---	---	20
21	---	---	---	---	33.6	10.6	1.80	0.895	0.494	0.350E	---	---	21
22	---	---	---	---	32.5	9.72	1.89	0.866	0.492	0.470E	---	---	22
23	---	---	---	---	30.4	9.75	1.85	0.838	0.483	0.490E	---	---	23
24	---	---	---	---	30.3	8.85	1.89	0.818	0.476	0.490E	---	---	24
25	---	---	---	---	37.4	6.59	2.13	0.810	0.483	0.420E	---	---	25
26	---	---	---	---	45.2	6.19	1.95	0.809	0.509	0.420E	---	---	26
27	---	---	---	---	29.3	7.78	1.78	0.920	0.500	0.460E	---	---	27
28	---	---	---	---	25.2	7.08	1.91	0.805	0.524	0.501A	---	---	28
29	---		---	---	21.8	5.96	2.07	0.773	0.554	0.500E	---	---	29
30	---		---	6.78A	20.4	5.84	1.82	0.758	0.517	0.490E	---	---	30
31	---		---		19.5		1.68	0.755		0.480E		---	31
TOTAL	---	---	---	---	573.76	337.78	84.41	33.224	17.206	14.896	---	---	TOTAL
MEAN	---	---	---	---	18.5	11.3	2.72	1.07	0.574	0.481	---	---	MEAN
MAX	---	---	---	---	45.2	17.7	6.14	1.58	0.761	0.755	---	---	MAX
MIN	---	---	---	---	6.03	5.84	1.68	0.755	0.476	0.350	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 45.2 ON MAY 26

MAXIMUM INSTANTANEOUS,
65.8 AT 23:20 MST ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 18 N
LONG 114 25 06 W
DRAINAGE AREA, 217 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	7 290
FEB	---	AUG	2 870
MAR	---	SEP	1 490
APR	---	OCT	1 290
MAY	49 600	NOV	---
JUN	29 200	DEC	---

RAM RIVER NEAR THE MOUTH - STATION NO. 05DC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.10B	3.90B	3.50B	4.90B	6.25	48.2	15.7	125	16.1	11.3	9.18	4.50B	1
2	4.00B	3.90B	3.50B	4.80B	8.19	45.2	18.3	108	18.0	11.4	9.17	4.50B	2
3	4.00B	3.90B	3.50B	4.70B	6.00	39.6	14.9	94.4	17.5	11.5	9.07	4.50B	3
4	3.90B	3.90B	3.50B	4.60B	5.33	31.4	16.2	85.0	15.9	10.9	8.92	4.50B	4
5	3.90B	3.90B	3.50B	4.55B	5.22	24.8	14.6	75.9	16.6	10.6	8.44	4.50B	5
6	3.90B	3.85B	3.42B	4.50B	5.26	23.2	14.8	68.3	15.7	10.5	8.40	4.50B	6
7	3.90B	3.85B	3.42B	4.40B	5.14	19.0	18.9	63.3	14.4	10.6	8.52	4.50B	7
8	4.00B	3.85B	3.42B	4.30B	5.76	17.5	24.4	66.9	13.7	10.6	8.31	4.50B	8
9	4.00B	3.85B	3.42B	4.25B	7.03	17.4	16.8	57.6	13.2	10.6	8.27	4.50B	9
10	4.00B	3.85B	3.42B	4.15B	9.75	21.5	15.0	51.5	12.9	10.4	8.22	4.50B	10
11	4.10B	3.80B	3.45B	4.05B	12.7	23.2	19.4	46.9	12.7	10.4	8.19	4.63B	11
12	4.10B	3.80B	3.55B	4.00B	14.5	21.2	18.6	44.0	12.3	10.3	8.32	4.63B	12
13	4.10B	3.80B	3.65B	3.95B	18.0	19.3	18.0	41.1	12.2	10.2	8.06	4.57B	13
14	4.10B	3.80B	3.70B	3.95B	31.4	38.1	219	38.2	12.0	10.4	7.45	4.50B	14
15	4.00B	3.80B	3.80B	4.05B	72.7	41.2	276	34.9	11.8	10.5	7.88	4.60B	15
16	3.90B	3.75B	3.90B	4.30B	55.0	41.0	208	32.9	11.7	10.3	7.59	4.65B	16
17	3.90B	3.75B	3.95B	5.40B	48.3	35.5	164	33.8	11.4	10.2	7.08	4.50B	17
18	4.00B	3.75B	4.05B	5.62	62.6	32.1	130	32.4	11.2	9.79	7.17	4.40B	18
19	4.10B	3.75B	4.10B	5.90	83.2	26.3	113	29.4	11.7	9.81	6.88	4.30B	19
20	4.20B	3.75B	4.20B	6.29	81.5	22.4	103	26.6	18.4	9.77	7.04	4.15B	20
21	4.30B	3.65B	4.30B	6.14	107	19.5	108	25.9	14.9	9.30	7.35	4.00B	21
22	4.30B	3.65B	4.40B	5.86	124	17.2	119	23.4	14.3	9.12	7.49	3.90B	22
23	4.30B	3.65B	4.45B	6.12	138	15.5	144	20.8	14.0	9.25	7.34	3.75B	23
24	4.30B	3.65B	4.50B	7.60	105	14.0	193	18.7	13.6	9.63	7.10	3.65B	24
25	4.20B	3.65B	4.60B	7.05	88.9	12.6	177	17.8	13.1	9.71	6.29	3.50B	25
26	4.10B	3.60B	4.70B	5.81	86.9	12.8	140	16.9	12.9	9.70	6.04	3.35B	26
27	4.00B	3.60B	4.80B	5.34	65.5	16.5	118	16.2	12.5	9.60	5.70B	3.15B	27
28	4.00B	3.60B	4.90B	5.29	48.2	15.3	104	15.2	12.2	9.37	5.20B	3.00B	28
29	4.00B		4.95B	5.17	36.9	12.5	100	14.9	12.0	9.36	5.00B	2.80B	29
30	4.00B		5.05B	5.35	38.0	12.0	144	17.9	11.6	9.02	4.50B	2.65B	30
31	3.90B		4.95B		37.6		194	17.8		8.99		2.50B	31
TOTAL	125.60	105.55	124.55	152.39	1 419.83	736.0	2 929.6	1 361.6	410.5	313.12	224.17	126.25	TOTAL
MEAN	4.05	3.77	4.02	5.08	45.8	24.5	94.5	43.9	13.7	10.1	7.47	4.07	MEAN
MAX	4.30	3.90	5.05	7.60	138	48.2	276	125	18.4	11.5	9.18	4.65	MAX
MIN	3.90	3.60	3.42	3.95	5.14	12.0	14.6	14.9	11.2	8.99	4.50	2.50	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.0
MAXIMUM DAILY, 276 ON JUL 15
MINIMUM DAILY, 2.50B ON DEC 31
MAXIMUM INSTANTANEOUS,
342 AT 20:15 MST ON JUL 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 27 55 N
LONG 115 25 33 W
DRAINAGE AREA, 1 860 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 900	JUL	253 000
FEB	9 120	AUG	118 000
MAR	10 800	SEP	35 500
APR	13 200	OCT	27 100
MAY	123 000	NOV	19 400
JUN	63 600	DEC	10 900

TOTAL DISCHARGE, 695 000 dam³

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.620B	3.07B	2.48	10.6	1.28	2.79	0.734	0.467	---	---	1
2	---	---	0.620B	2.62B	2.46	11.2	1.13	2.86	0.631	0.469	---	---	2
3	---	---	0.620B	2.79B	2.50	11.1	0.990	2.75	0.544	0.528	---	---	3
4	---	---	0.620B	2.65B	2.45	10.7	0.780	2.39	0.527	0.567	---	---	4
5	---	---	0.618B	2.50B	2.40	9.51	0.667	2.06	0.557	0.534	---	---	5
6	---	---	0.616B	2.35B	2.74	7.84	0.652	1.88	0.498	0.525	---	---	6
7	---	---	0.615B	2.23B	6.09	7.09	0.803	1.63	0.448	0.539	---	---	7
8	---	---	0.615B	1.59B	9.57	6.63	0.834	1.42	0.377	0.505	---	---	8
9	---	---	0.620B	1.57B	9.73	5.66	0.976	1.25	0.374	0.541	---	---	9
10	---	---	0.625B	1.43B	7.95	5.16	0.840	1.12	0.334	0.568	---	---	10
11	---	---	0.634B	1.30B	6.71	5.23	0.715	0.982	0.260	0.657	---	---	11
12	---	---	0.635B	1.31B	6.15	5.76	0.590	0.830	0.236	0.620	---	---	12
13	---	---	0.640B	1.47B	5.98	5.33	0.523	0.709	0.248	0.571	---	---	13
14	---	---	0.650B	1.81B	5.82	5.05	0.684	0.605	0.332	0.599	---	---	14
15	---	---	0.660B	1.43B	5.85	5.00	1.52	0.523	0.244	0.650	---	---	15
16	---	---	0.655B	1.21B	5.77	4.95	2.29	0.490	0.198	0.615	---	---	16
17	---	---	0.640B	1.60B	5.62	4.96	2.23	0.478	0.208	0.545	---	---	17
18	---	---	0.630B	1.85B	5.31	4.96	1.94	0.481	0.234	0.533	---	---	18
19	---	---	0.623B	1.94	4.97	4.74	1.66	0.493	0.255	0.500	---	---	19
20	---	---	0.620B	2.08	4.55	4.16	1.46	0.481	0.313	0.492	---	---	20
21	---	---	0.615B	2.22	4.22	3.82	1.56	0.468	0.306	0.489	---	---	21
22	---	---	0.610B	2.47	4.02	3.52	2.14	0.453	0.473	0.542	---	---	22
23	---	---	0.650B	2.47	4.09	3.05	3.35	0.494	0.523	0.452	---	---	23
24	---	---	0.750B	2.54	4.86	2.71	4.60	0.435	0.587	0.510	---	---	24
25	---	---	0.940B	2.97	5.41	2.38	4.49	0.370	0.640	0.551	---	---	25
26	---	---	1.06 B	2.95	5.28	2.04	3.77	0.336	0.686	0.659	---	---	26
27	---	---	1.34 B	2.64	5.71	1.82	3.06	0.302	0.605	0.680	---	---	27
28	---	---	1.60 B	2.57	6.20	1.69	2.82	0.281	0.561	0.691A	---	---	28
29	---		1.79 B	2.55	7.15	1.62	2.58	0.262	0.508	0.680E	---	---	29
30	---		1.91 B	2.58	6.69	1.45	2.64	0.368	0.495	0.670E	---	---	30
31	---		2.45 B		7.65		2.68	0.815		0.660E		---	31
TOTAL	---	---	26.291	64.76	166.38	159.73	56.254	30.766	12.936	17.609	---	---	TOTAL
MEAN	---	---	0.848	2.16	5.37	5.32	1.81	0.992	0.431	0.568	---	---	MEAN
MAX	---	---	2.45	3.07	9.73	11.2	4.60	2.86	0.734	0.691	---	---	MAX
MIN	---	---	0.610	1.21	2.40	1.45	0.523	0.262	0.198	0.452	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.18
MAXIMUM DAILY, 11.2 ON JUN 2
MINIMUM DAILY, 0.198 ON SEP 16
MAXIMUM INSTANTANEOUS,
11.4 AT 16:00 MST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 17 N
LONG 115 29 17 W
DRAINAGE AREA, 606 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 860
FEB	---	AUG	2 660
MAR	2 270	SEP	1 120
APR	5 600	OCT	1 520
MAY	14 400	NOV	---
JUN	13 800	DEC	---

TOTAL DISCHARGE, 46 200 dam³

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.02B	1.20B	1.30B	3.30B	1.60	3.87	1.68	16.3	2.45	2.03	2.18	1.59B	1
2	1.05B	1.20B	1.33B	3.25B	1.65	4.68	1.69	10.6	2.71	2.11	2.08	1.55B	2
3	1.07B	1.20B	1.60B	3.05B	1.70	4.44	1.71	8.54	2.89	2.09	2.05	1.50B	3
4	1.10B	1.20B	1.95B	2.55B	1.68	3.96	1.66	8.21	2.97	2.05	2.01	1.46B	4
5	1.13B	1.20B	2.10B	2.45B	1.84	3.66	1.59	8.74	2.74	1.97	1.97	1.42B	5
6	1.13B	1.20B	2.25B	2.45B	2.36	3.18	1.64	7.99	2.87	1.96	1.91	1.39B	6
7	1.13B	1.20B	1.60B	2.25B	4.66	2.98	1.69	5.95	2.99	1.95	2.05B	1.36B	7
8	1.13B	1.20B	1.50B	2.10B	11.1	2.70	1.81	5.02	2.79	1.98	2.03B	1.33B	8
9	1.13B	1.20B	1.80B	1.95B	15.3	2.55	1.87	4.21	2.59	2.06	2.02B	1.30B	9
10	1.13B	1.20B	1.50B	1.85B	13.1	2.45	1.77	3.66	2.43	2.03	2.00B	1.27B	10
11	1.15B	1.18B	1.45B	1.80B	10.1	2.50	1.63	3.29	2.25	2.08	1.93B	1.22B	11
12	1.15B	1.18B	1.60B	1.60B	8.70	2.76	1.52	3.09	2.20	2.09	1.87B	1.16B	12
13	1.15B	1.18B	2.40B	1.38	7.50	2.91	1.45	2.97	2.15	2.07	1.80B	1.11B	13
14	1.15B	1.18B	2.70B	1.55	6.19	3.34	1.93	2.96	2.16	2.10	1.68B	1.05B	14
15	1.15B	1.18B	3.05B	1.59	5.36	3.58	5.95	2.93	2.09	2.13	1.60B	1.00B	15
16	1.18B	1.18B	3.20B	1.70	6.09	3.41	9.08	2.90	2.09	2.15	1.40B	1.00B	16
17	1.18B	1.20B	3.05B	1.75	6.69	3.09	8.81	2.89	2.10	2.14	1.30B	1.00B	17
18	1.18B	1.20B	2.75B	1.71	6.03	2.88	6.06	2.91	2.02	2.09	1.33B	1.00B	18
19	1.18B	1.20B	2.60B	1.72	4.92	2.71	4.24	2.92	1.96	2.08	1.35B	1.00B	19
20	1.18B	1.20B	2.35B	1.71	4.21	2.61	3.24	2.74	2.27	2.06	1.38B	1.00B	20
21	1.21B	1.24B	1.90B	1.68	3.70	2.38	3.19	2.61	2.53	2.02	1.41B	1.02B	21
22	1.21B	1.24B	1.75B	1.61	3.44	2.31	3.61	2.53	2.61	2.18	1.43B	1.02B	22
23	1.21B	1.24B	1.75B	1.60	3.35	2.31	4.30	2.47	2.45	1.96	1.45B	1.02B	23
24	1.21B	1.24B	1.80B	1.60	3.82	1.94	5.38	2.41	2.44	2.03	1.48B	1.02B	24
25	1.21B	1.24B	2.20B	1.61	3.37	1.79	8.29	2.32	2.36	2.24	1.51B	1.02B	25
26	1.24B	1.30B	2.70B	1.58	3.12	1.68	7.44	2.25	2.28	2.34	1.53B	1.03B	26
27	1.24B	1.30B	3.10B	1.57	2.77	1.68	5.08	2.20	2.23	2.28	1.56B	1.03B	27
28	1.24B	1.30B	3.20B	1.56	2.53	1.77	4.10	2.17	2.18	2.28	1.58B	1.03B	28
29	1.24B		3.20B	1.57	2.45	1.70	4.27	2.15	2.14	2.39	1.61B	1.03B	29
30	1.24B		3.22B	1.57	2.37	1.68	7.88	2.24	2.10	2.28	1.63B	1.03B	30
31	1.24B		3.30B		2.57		14.6	2.41		2.28		1.03B	31
TOTAL	36.16	33.98	70.20	57.64	154.27	83.50	129.16	134.58	72.04	65.50	51.13	35.99	TOTAL
MEAN	1.17	1.21	2.26	1.92	4.98	2.78	4.17	4.34	2.40	2.11	1.70	1.16	MEAN
MAX	1.24	1.30	3.30	3.30	15.3	4.68	14.6	16.3	2.99	2.39	2.18	1.59	MAX
MIN	1.02	1.18	1.30	1.38	1.60	1.68	1.45	2.15	1.96	1.95	1.30	1.00	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.53
MAXIMUM DAILY, 16.3 ON AUG 1
MINIMUM DAILY, 1.00B ON DEC 15
MAXIMUM INSTANTANEOUS,
17.1 AT 09:10 MST ON AUG 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 05 20 N
LONG 114 28 35 W
DRAINAGE AREA, 655 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 120	JUL	11 200
FEB	2 940	AUG	11 600
MAR	6 070	SEP	6 220
APR	4 980	OCT	5 660
MAY	13 300	NOV	4 420
JUN	7 210	DEC	3 110

TOTAL DISCHARGE, 79 800 dam³

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.052B	0.001	0.001	0	0.043	0	0	0	---	1
2	---	---	0.001B	0.045B	0.001	0.001	0	0.198	0	0	0	---	2
3	---	---	0.005B	0.039B	0.001	0.001	0	0.171	0	0	---	---	3
4	---	---	0.016B	0.027B	0.002	0.001	0	0.117	0	0	---	---	4
5	---	---	0.018B	0.014	0.006	0.001	0	0.091	0	0	---	---	5
6	---	---	0.020B	0.008	0.226	0	0	0.055	0	0	---	---	6
7	---	---	0.026B	0.007	0.767	0	0	0.022	0	0	---	---	7
8	---	---	0.036B	0.006	0.337	0	0	0.011	0	0	---	---	8
9	---	---	0.047B	0.005	0.156	0	0	0.006	0	0	---	---	9
10	---	---	0.061B	0.004	0.052	0	0	0.003	0	0	---	---	10
11	---	---	0.091B	0.004	0.026	0	0	0.002	0	0	---	---	11
12	---	---	0.088B	0.003	0.023	0	0	0.002	0	0	---	---	12
13	---	---	0.088B	0.003	0.019	0.001	0	0.003	0	0	---	---	13
14	---	---	0.098B	0.003	0.012	0.001	0	0.002	0	0	---	---	14
15	---	---	0.085B	0.004	0.007	0.001	0	0.001	0	0	---	---	15
16	---	---	0.084B	0.003	0.004	0.001	0	0	0	0	---	---	16
17	---	---	0.087B	0.003	0.004	0.001	0.003	0	0	0	---	---	17
18	---	---	0.071B	0.002	0.004	0.001	0.007	0	0	0	---	---	18
19	---	---	0.068B	0.002	0.003	0.001	0.004	0	0	0	---	---	19
20	---	---	0.045B	0.001	0.003	0.001	0.002	0	0	0	---	---	20
21	---	---	0.051B	0.001	0.002	0.001	0.003	0	0	0	---	---	21
22	---	---	0.051B	0.001	0.002	0.001	0.002	0	0	0	---	---	22
23	---	---	0.048B	0.001	0.001	0	0.002	0	0	0	---	---	23
24	---	---	0.024B	0.002	0.001	0	0.002	0	0	0	---	---	24
25	---	---	0.033B	0.001	0	0	0.001	0	0	0	---	---	25
26	---	---	0.051B	0.001	0	0	0.001	0	0	0	---	---	26
27	---	---	0.049B	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.052B	0.001	0	0	0	0	0	0	---	---	28
29	---		0.056B	0.001	0	0	0.001	0	0	0	---	---	29
30	---		0.074B	0.001	0	0	0.043	0	0	0	---	---	30
31	---		0.062B		0		0.083	0		0		---	31
TOTAL	---	---	1.587	0.246	1.660	0.015	0.154	0.727	0	0	---	---	TOTAL
MEAN	---	---	0.051	0.008	0.054	0.001	0.005	0.023	0	0	---	---	MEAN
MAX	---	---	0.098	0.052	0.767	0.001	0.083	0.198	0	0	---	---	MAX
MIN	---	---	0.001	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.767 ON MAY 7
MINIMUM DAILY, 0 ON MAY 25
MAXIMUM INSTANTANEOUS,
0.940 AT 10:30 MST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 03 N
LONG 113 35 55 W
DRAINAGE AREA, 42.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13.3
FEB	---	AUG	62.8
MAR	137	SEP	0
APR	21.3	OCT	0
MAY	143	NOV	---
JUN	1.30	DEC	---

TOTAL DISCHARGE, 379 dam³

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.77	5.00	54.4	28.0	60.3	18.4	8.18	---	---	1
2	---	---	---	2.82	6.23	50.1	28.3	51.1	18.4	9.25	---	---	2
3	---	---	---	2.57	5.56	50.4	28.8	46.3	16.6	8.89	---	---	3
4	---	---	---	2.55	5.18	42.1	38.0	42.3	15.6	8.08	---	---	4
5	---	---	---	2.56	5.02	36.2	40.0	38.4	15.4	7.91	---	---	5
6	---	---	---	2.56	5.02	35.8	40.6	36.4	14.3	7.75	---	---	6
7	---	---	---	2.54	5.00	33.7	37.1	36.9	13.9	7.67	---	---	7
8	---	---	---	2.48	5.19	28.1	32.2	40.5	14.5	7.67	---	---	8
9	---	---	---	2.47	5.59	24.6	25.0	36.3	16.4	7.56	---	---	9
10	---	---	---	2.43	6.09	23.0	21.7	34.7	18.0	7.53	---	---	10
11	---	---	---	2.47	6.05	21.4	21.0	34.0	16.3	7.33	---	---	11
12	---	---	3.02A	2.56	5.95	19.8	21.2	33.8	16.5	7.30	---	---	12
13	---	---	2.88	2.45	6.10	20.3	21.8	33.6	16.1	7.04	---	---	13
14	---	---	2.95	2.47	6.90	22.6	62.5	32.8	14.5	7.27	---	---	14
15	---	---	2.88	2.73	9.37	23.9	79.0	31.2	13.7	6.96	---	---	15
16	---	---	2.83	3.00	8.80	25.2	63.3	30.2	14.3	6.82	---	---	16
17	---	---	2.83	2.98	8.46	22.9	59.2	30.9	15.4	6.72	---	---	17
18	---	---	2.79	2.90	10.2	20.2	55.7	28.7	15.6	6.61	---	---	18
19	---	---	2.95	3.02	15.6	18.4	54.3	27.5	16.9	6.55	---	---	19
20	---	---	2.70	3.14	21.1	17.5	48.8	29.8	18.1	6.47	---	---	20
21	---	---	2.64	3.22	44.0	17.1	49.9	29.7	14.6	5.89	---	---	21
22	---	---	3.04	3.18	63.5	16.4	55.3	26.1	13.1	5.99	---	---	22
23	---	---	2.73	3.42	65.8	15.5	59.2	24.6	11.9	6.19	---	---	23
24	---	---	2.68	4.54	76.4	14.9	59.3	24.4	11.1	6.37	---	---	24
25	---	---	2.63	4.56	81.8	14.9	54.4	24.9	10.4	6.32	---	---	25
26	---	---	2.66	3.80	94.7	19.3	46.8	26.7	9.93	6.41	---	---	26
27	---	---	2.64	3.59	77.0	23.3	43.9	27.5	9.58	6.33	---	---	27
28	---	---	2.63	3.47	54.6	20.7	44.7	24.6	9.21	6.27	---	---	28
29	---		2.76	3.51	41.2	18.7	47.2	22.3	8.87	6.29A	---	---	29
30	---		2.80	3.69	47.0	20.9	86.3	24.1	8.51	6.29E	---	---	30
31	---		2.71		52.6		78.2	20.2		6.29E		---	31
TOTAL	---	---	---	90.45	851.01	772.3	1 431.7	1 010.8	426.10	218.20	---	---	TOTAL
MEAN	---	---	---	3.02	27.5	25.7	46.2	32.6	14.2	7.04	---	---	MEAN
MAX	---	---	---	4.56	94.7	54.4	86.3	60.3	18.4	9.25	---	---	MAX
MIN	---	---	---	2.43	5.00	14.9	21.0	20.2	8.51	5.89	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.4
MAXIMUM DAILY, 94.7 ON MAY 26
MINIMUM DAILY, 2.43 ON APR 10
MAXIMUM INSTANTANEOUS,
104 AT 08:05 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 33 N
LONG 115 24 23 W
DRAINAGE AREA, 943 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	124 000
FEB	---	AUG	87 300
MAR	---	SEP	36 800
APR	7 810	OCT	18 900
MAY	73 500	NOV	---
JUN	66 700	DEC	---

TOTAL DISCHARGE, 415 000 dam³

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.80B	8.50B	18.0B	67.0	21.4	160	66.5	669	61.9	38.7	28.8	18.7 B	1
2	10.0 B	8.70B	17.5B	66.5	20.6	168	61.5	673	67.6	37.6	29.3	13.5 B	2
3	10.2 B	8.80B	16.8B	65.6	19.5	200	63.8	503	67.6	36.4	28.5	10.7 B	3
4	10.5 B	8.60B	16.6B	64.1	19.5	200	82.4	402	63.7	35.6	28.1	11.0 B	4
5	10.8 B	8.50B	16.5B	56.5	22.7	187	81.3	347	61.1	35.1	27.8	12.5 B	5
6	11.0 B	8.50B	16.5B	48.6	48.1	165	80.2	313	58.3	36.2	27.2	12.2 B	6
7	11.0 B	8.10B	16.2B	43.0	67.7	142	84.5	268	57.0	34.8	26.4	11.0 B	7
8	11.0 B	7.70B	16.0B	38.0	56.1	132	87.1	226	59.1	34.6	25.4	11.8 B	8
9	10.9 B	7.50B	16.0B	34.1	89.2	120	84.0	198	55.2	35.0	21.7	12.0 B	9
10	11.0 B	7.60B	16.2B	30.3	130	108	80.9	186	51.7	32.7	23.2	11.5 B	10
11	11.0 B	7.90B	16.5B	28.0	159	102	72.9	164	49.3	28.8	25.6	11.0 B	11
12	11.0 B	8.00B	17.0B	26.9	189	96.7	64.5	144	48.1	28.5	25.0	11.6 B	12
13	11.2 B	11.3 B	17.3B	24.9	191	95.2	59.5	132	46.9	29.5	23.7	10.0 B	13
14	11.4 B	12.4 B	18.0B	23.4	169	91.7	56.4	122	45.5	29.2	22.1	9.00B	14
15	11.5 B	13.5 B	19.0B	22.3	141	89.3	55.7	115	44.4	28.5	26.2	8.00B	15
16	11.6 B	15.0 B	21.0B	20.1	124	102	147	109	43.9	28.6	23.5	9.31B	16
17	11.6 B	16.5 B	23.0B	19.7	143	111	319	104	42.8	28.7	21.2	10.0 B	17
18	11.8 B	19.0 B	25.0B	19.1	162	104	294	99.7	41.8	29.4	21.5	10.5 B	18
19	12.0 B	20.5 B	28.0B	19.6	154	97.1	247	97.8	41.0	29.4	26.0B	11.0 B	19
20	12.0 B	21.0 B	32.0B	20.2	157	89.9	215	97.1	43.7	28.9	25.0B	11.2 B	20
21	11.8 B	19.7 B	39.0B	21.2	165	82.7	191	91.7	44.4	28.0	21.4B	10.4 B	21
22	11.3 B	18.5 B	43.0B	22.3	167	77.3	184	86.5	46.4	27.0	22.2B	10.0 B	22
23	10.8 B	17.7 B	50.0B	23.9	205	72.7	168	85.9	51.5	26.7	20.0B	9.60B	23
24	10.2 B	17.4 B	58.0B	24.1	300	69.8	189	82.6	50.3	27.3	18.5B	9.00B	24
25	9.60B	17.5 B	59.0B	23.8	277	66.9	217	76.9	47.7	25.8	20.0B	8.80B	25
26	9.40B	18.0 B	58.0B	23.0	286	63.6	317	72.3	45.3	26.7	18.3B	8.50B	26
27	9.20B	18.8 B	54.0B	22.9	285	60.9	313	69.4	43.1	27.4	16.7B	8.00B	27
28	9.14B	18.5 B	52.0B	25.0	282	59.7	255	67.0	40.9	27.9	15.5B	8.00B	28
29	8.50B		53.0B	24.4	242	64.1	224	65.8	40.9	28.4	14.0B	7.80B	29
30	8.40B		60.5B	22.5	195	70.3	222	64.7	39.9	28.5	13.5B	7.50B	30
31	8.40B		70.0B		160		306	63.2		29.2		7.00B	31
TOTAL	328.04	373.70	979.6	971.0	4 647.8	3 248.9	4 889.2	5 795.6	1 501.0	949.1	686.3	317.11	TOTAL
MEAN	10.6	13.3	31.6	32.4	150	108	158	187	50.0	30.6	22.9	10.2	MEAN
MAX	12.0	21.0	70.0	67.0	300	200	319	673	67.6	38.7	29.3	18.7	MAX
MIN	8.40	7.50	16.0	19.1	19.5	59.7	55.7	63.2	39.9	25.8	13.5	7.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 67.6
MAXIMUM DAILY, 673 ON AUG 2
MINIMUM DAILY, 7.00B ON DEC 31
MAXIMUM INSTANTANEOUS,
786 AT 21:10 MST ON AUG 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 08 N
LONG 112 42 30 W
DRAINAGE AREA, 24 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 300	JUL	422 000
FEB	32 300	AUG	501 000
MAR	84 600	SEP	130 000
APR	83 900	OCT	82 000
MAY	402 000	NOV	59 300
JUN	281 000	DEC	27 400

TOTAL DISCHARGE, 2 130 000 dam³

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.8 B	9.90B	9.60B	42.0B	18.2	157	56.3	557	59.5	30.7	26.4	11.0 B	1
2	10.5 B	9.80B	9.90B	44.0B	18.3	185	69.3	411	60.4	29.7	25.9	11.2 B	2
3	10.1 B	9.50B	10.1 B	43.0B	21.4	177	78.4	342	57.2	29.9	25.5	11.2 B	3
4	10.2 B	9.00B	10.6 B	36.0B	21.4	167	73.5	305	54.0	30.9	24.9	10.8 B	4
5	10.4 B	8.60B	11.0 B	30.0B	21.0	146	78.3	279	52.4	29.1	24.4	9.90B	5
6	10.6 B	8.40B	11.4 B	27.0B	26.5	128	79.0	241	56.2	27.9	22.7	9.20B	6
7	10.4 B	8.10B	11.6 B	25.5	37.1	119	81.3	205	53.9	27.7	20.9	8.60B	7
8	10.2 B	7.90B	11.8 B	22.7	72.7	108	77.1	181	48.5	28.9	21.1	8.10B	8
9	10.1 B	7.60B	12.0 B	20.3	110	95.9	75.1	170	45.2	27.5	20.8	7.50B	9
10	10.0 B	7.30B	12.1 B	19.6	146	91.0	64.6	150	45.3	27.1	21.4	7.10B	10
11	9.90B	7.10B	12.2 B	18.3	175	87.3	58.1	135	46.2	27.4	20.0	6.60B	11
12	9.80B	7.00B	12.4 B	17.4	174	86.2	54.4	125	44.3	27.3	22.6	6.20B	12
13	9.70B	6.90B	12.8 B	16.0	149	82.1	52.1	115	42.3	27.4	24.3	5.80B	13
14	9.60B	7.00B	13.4 B	15.5	125	82.2A	57.7	109	41.9	27.5	20.6	5.40B	14
15	9.60B	7.20B	14.0 B	15.1	112	98.8A	185	103	40.4	28.0	17.6	5.20B	15
16	9.80B	7.40B	15.0 B	16.0	141	105 A	278	97.2	38.5	28.5	18.1	4.80B	16
17	9.90B	7.80B	16.2 B	17.0	146	97.2A	246	93.4	36.7	28.5	16.5	4.70B	17
18	10.0 B	8.00B	17.5 B	17.8	140	89.6	212	94.7	36.2	28.0	13.6	4.70B	18
19	10.3 B	8.10B	19.5 B	18.6	147	82.1	183	90.8	35.9	27.5	12.3 B	4.80B	19
20	10.9 B	8.60B	21.0 B	19.9	154	75.1	168	84.4	39.5	26.9	11.0 B	4.90B	20
21	11.0 B	8.90B	23.0 B	20.9	157	70.1	162	81.3	46.5	26.8	9.90B	5.00B	21
22	11.0 B	9.00B	25.0 B	21.3	206	66.1	159	80.6	46.3	26.2	9.30B	5.00B	22
23	11.0 B	9.10B	28.5 B	20.9	296	62.6	175	73.9	43.3	24.9	8.80B	4.90B	23
24	11.0 B	9.20B	32.0 B	20.8	268	59.5	223	68.8	40.6	25.7	8.50B	4.80B	24
25	10.9 B	9.20B	34.0 B	21.9	275	55.6	309	65.3	38.3	27.3	8.20B	4.80B	25
26	10.8 B	9.30B	35.0 B	24.2	263 A	52.6	295	62.6	36.2	27.6	7.80B	4.70B	26
27	10.6 B	9.40B	35.0 B	22.3	266 A	55.8	234	61.3	36.0	27.9	7.80B	4.60B	27
28	10.3 B	9.40B	33.0 B	20.3	224 A	64.6	199	60.8	34.8	28.4	8.20B	4.50B	28
29	10.1 B		33.0 B	19.7	172	62.1	192	58.6	33.1	28.7	9.00B	4.40B	29
30	10.0 B		34.0 B	18.8	142	56.2	247	56.3	31.8	30.6	9.70B	4.30B	30
31	10.0 B		38.0 B		144		553	59.4		28.3		4.30B	31
TOTAL	319.50	234.70	614.60	692.8	4 368.6	2 864.7	4 975.2	4 617.4	1 321.4	868.8	497.80	199.00	TOTAL
MEAN	10.3	8.38	19.8	23.1	141	95.5	160	149	44.0	28.0	16.6	6.42	MEAN
MAX	11.0	9.90	38.0	44.0	296	185	553	557	60.4	30.9	26.4	11.2	MAX
MIN	9.60	6.90	9.60	15.1	18.2	52.6	52.1	56.3	31.8	24.9	7.80	4.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 59.1
MAXIMUM DAILY, 557 ON AUG 1
MINIMUM DAILY, 4.30B ON DEC 30
MAXIMUM INSTANTANEOUS,
684 AT 21:10 MST ON JUL 31

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 16 35 N
LONG 113 48 45 W
DRAINAGE AREA, 11 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	27 600	JUL	420 000
FEB	20 300	AUG	399 000
MAR	53 100	SEP	114 000
APR	59 900	OCT	75 100
MAY	377 000	NOV	43 000
JUN	248 000	DEC	17 200

TOTAL DISCHARGE, 1 860 000 dam³

RED DEER RIVER AT SUNDRE - STATION NO. 05CA010

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.611	1.700	1.212	1.916	---	---	---	---	1
2	---	---	---	---	1.610	1.718	1.298	1.661E	1.128	---	---	---	2
3	---	---	---	---	1.612	1.766	1.202	1.405E	1.120	---	---	---	3
4	---	---	---	---	1.611	1.770	1.198	1.150	1.112	---	---	---	4
5	---	---	---	---	1.612	1.750	1.190	1.450	1.108	---	---	---	5
6	---	---	---	---	1.615	1.760	1.196	1.442	1.100	---	---	---	6
7	---	---	---	---	1.710	1.744	1.200	1.430	---	---	---	---	7
8	---	---	---	---	1.592	1.736	1.210	1.417E	---	---	---	---	8
9	---	---	---	---	1.658	1.726	1.198	1.405E	---	---	---	---	9
10	---	---	---	---	1.617	1.684	1.196	1.392	---	---	---	---	10
11	---	---	---	---	1.580	1.252	1.198	1.320	---	---	---	---	11
12	---	---	---	---	1.600	---	1.212	1.314	---	---	---	---	12
13	---	---	---	---	1.601	---	1.200	1.292	---	---	---	---	13
14	---	---	---	1.098	1.647	---	1.210	1.288	---	---	---	---	14
15	---	---	---	---	1.709	---	1.200	1.280	---	---	---	---	15
16	---	---	---	---	1.811	---	1.200	1.268	---	---	---	---	16
17	---	---	---	---	1.878	---	1.190	1.252	---	---	---	---	17
18	---	---	---	---	1.980	1.320	1.292	1.260	---	---	---	---	18
19	---	---	---	---	2.304	1.248	1.382	1.252	---	---	---	---	19
20	---	---	---	---	2.314	1.230	1.480	1.231	---	---	---	---	20
21	---	---	---	---	2.610	1.220	1.488	1.248	---	---	---	---	21
22	---	---	---	---	2.588	1.165	1.478	1.242	---	---	---	---	22
23	---	---	---	---	2.488	1.190	1.480	1.210	---	---	---	---	23
24	---	---	1.316	---	2.377	1.198	1.488	1.208	---	---	---	---	24
25	---	---	---	---	2.408	1.206	1.492	1.200	---	---	---	---	25
26	---	---	---	---	2.390	1.200	1.490	1.196	---	---	---	---	26
27	---	---	---	---	2.250	1.210	1.450	1.184	---	---	---	---	27
28	---	---	---	---	1.830	1.208	1.577	1.192	0.806	---	---	---	28
29	---		---	---	1.634	1.210	1.442	1.146E	---	0.730	---	---	29
30	---		---	---	1.721	1.190	1.660	1.100E	---	---	---	---	30
31	---		---		1.710		2.082	1.054		---		---	31
MEAN	---	---	---	---	1.893	---	1.348	1.303	---	---	---	---	MEAN
MAX	---	---	---	---	2.610	---	2.082	1.916	---	---	---	---	MAX
MIN	---	---	---	---	1.580	---	1.190	1.054	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 2.610 ON MAY 21

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 47 45 N
LONG 114 38 05 W

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
3 470 km²

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.00B	5.90B	5.40B	4.40B	11.4	127	55.5	152	35.9	17.1	12.4	6.40B	1
2	5.90B	5.80B	5.30B	4.30B	13.5	114	57.6	126	35.3	17.8	12.4	6.70B	2
3	5.80B	5.70B	5.30B	4.10B	11.6	108	54.9	115	33.3	17.6	12.4	6.90B	3
4	5.70B	5.60B	5.20B	3.90B	10.7	90.0	66.6	104	31.2	16.5	12.2	7.10B	4
5	5.60B	5.40B	5.20B	3.70B	10.1	77.2	63.1	95.7	31.2	16.1	11.3	7.20B	5
6	5.50B	5.30B	5.10B	3.50B	9.62	74.7	62.9	87.0	28.7	16.0	11.5	7.20B	6
7	5.40B	5.10B	5.00B	3.30B	9.28	69.8	67.6	84.4	27.5	15.9	11.7	7.30B	7
8	5.40B	4.90B	5.10B	3.20B	10.2	59.4	59.2	89.3	27.3	15.9	11.3	7.20B	8
9	5.30B	4.80B	5.30B	3.10B	11.6	54.1	47.6	78.3	28.3	15.6	11.4	7.20B	9
10	5.30B	4.60B	5.50B	3.00B	13.7	50.0	42.5	72.3	29.6	15.8	11.0	7.10B	10
11	5.30B	4.50B	5.60B	2.90B	14.1	47.0	40.7	68.3	28.1	15.2	11.4	7.00B	11
12	5.40B	4.50B	5.50B	3.00B	14.8	43.1	40.2	66.7	27.4	15.1	11.5	6.90B	12
13	5.70B	4.60B	5.30B	4.20B	16.1	44.1	40.1	64.0	26.8	14.4	10.8	6.80B	13
14	5.90B	4.60B	5.10B	5.40B	20.3	50.9	137	63.4	25.3	15.2	10.0 B	6.70B	14
15	5.70B	4.70B	4.90B	6.09	35.2	53.8	165	58.3	24.2	14.9	9.20B	6.60B	15
16	5.60B	4.80B	4.70B	6.47	26.3	55.9	135	56.0	24.2	14.6	8.30B	6.40B	16
17	5.40B	5.00B	4.50B	6.68	26.2	50.7	121	60.6	24.7	14.3	7.50B	6.30B	17
18	5.60B	5.30B	4.40B	6.91	39.6	46.1	110	57.3	24.7	13.9	6.60B	6.10B	18
19	6.10B	5.50B	4.20B	7.41	56.8	42.5	105	52.3	26.6	13.8	6.50B	6.00B	19
20	6.40B	5.70B	4.10B	7.83	69.1	40.0	99.5	51.9	30.4	13.7	6.40B	5.80B	20
21	6.30B	5.70B	4.10B	7.93	124	39.1	99.5	52.8	25.2	12.5	6.40B	5.70B	21
22	6.30B	5.70B	4.30B	8.04	177	37.0	113	47.9	23.6	13.1	6.30B	5.70B	22
23	6.20B	5.60B	4.50B	8.57	164	35.4	128	44.5	22.0	13.2	6.20B	5.60B	23
24	6.10B	5.60B	4.70B	10.9	182	33.8	152	42.9	20.8	13.4	6.20B	5.60B	24
25	6.00B	5.60B	4.80B	10.6	184	33.1	144	42.3	19.9	13.3	6.10B	5.50B	25
26	6.00B	5.50B	4.90B	8.59	192	39.5	121	43.0	19.2	13.5	6.10B	5.50B	26
27	5.90B	5.50B	4.80B	8.18	159	48.0	107	43.7	18.6	13.2	6.00B	5.40B	27
28	5.80B	5.40B	4.80B	7.97	117	43.2	99.7	40.5	18.1	13.0	6.00B	5.40B	28
29	5.80B		4.70B	8.26	89.1	39.0	103	37.9	17.8	13.0	5.90B	5.40B	29
30	6.00B		4.70B	8.71	99.0	41.6	217	42.6	17.2	12.4	5.90B	5.30B	30
31	6.10B		4.60B		109		195	38.6		12.7		5.30B	31
TOTAL	179.50	146.90	151.60	181.14	2 026.30	1 688.0	3 050.2	2 079.5	773.1	452.7	266.90	195.30	TOTAL
MEAN	5.79	5.25	4.89	6.04	65.4	56.3	98.4	67.1	25.8	14.6	8.90	6.30	MEAN
MAX	6.40	5.90	5.60	10.9	192	127	217	152	35.9	17.8	12.4	7.30	MAX
MIN	5.30	4.50	4.10	2.90	9.28	33.1	40.1	37.9	17.2	12.4	5.90	5.30	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.7
MAXIMUM DAILY, 217 ON JUL 30
MINIMUM DAILY, 2.90B ON APR 11
MAXIMUM INSTANTANEOUS,
263 AT 11:35 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 02 N
LONG 115 01 00 W
DRAINAGE AREA, 2 250 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	15 500	JUL	264 000
FEB	12 700	AUG	180 000
MAR	13 100	SEP	66 800
APR	15 700	OCT	39 100
MAY	175 000	NOV	23 100
JUN	146 000	DEC	16 900

TOTAL DISCHARGE, 968 000 dam³

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.5 B	8.40B	22.3B	60.6	25.0	224	81.1	241	73.6	52.6	37.7	9.20B	1
2	12.8 B	8.70B	22.5B	77.0	25.4	186	83.3	257	71.9	50.3	37.7	9.60B	2
3	12.9 B	8.90B	22.9B	78.1	27.3	161	95.1	508	70.6	49.8	38.3	9.80B	3
4	12.7 B	9.20B	23.5B	74.5	26.1	162	87.3	648	69.1	49.0	37.7	9.60B	4
5	12.4 B	9.50B	23.5B	71.6	25.2	173	83.4	523	71.4	48.7	35.4	9.40B	5
6	12.0 B	9.60B	23.0B	70.3	25.9	203	78.2	426	75.7	47.7	32.1	9.30B	6
7	11.7 B	9.30B	22.7B	68.3	26.0	197	88.0	357	72.8	46.9	31.8	9.50B	7
8	11.5 B	8.70B	22.4B	63.1	27.1	185	94.3	298	69.2	46.4	30.6	10.1 B	8
9	11.3 B	8.20B	22.5B	55.3	32.5	167	90.8	306	66.6	46.5	30.5	10.3 B	9
10	11.4 B	7.90B	22.5B	50.4	72.6	151	95.5	258	63.2	47.3	30.5	9.80B	10
11	11.3 B	7.70B	25.6B	46.5	70.6	141	99.1	226	63.5	48.2	32.3	9.20B	11
12	11.0 B	7.60B	30.0B	42.5	87.9	133	96.4	208	62.8	48.3	31.8	8.60B	12
13	10.6 B	7.50B	37.2B	38.9	138	125	91.9	191	60.4	50.0	29.7	8.50B	13
14	10.2 B	7.50B	37.0B	36.4	170	126	88.1	171	57.4	51.9	29.1	8.30B	14
15	9.80B	7.40B	35.0B	33.8	196	124	82.8	154	55.7	49.9	30.5	8.12B	15
16	9.60B	7.50B	33.0B	31.6	194	120	75.3	143	54.5	49.3	32.3	8.40B	16
17	9.40B	7.78B	32.1B	30.0	177	115	72.4	137	53.5	49.5	30.8	9.00B	17
18	9.30B	8.90B	30.6B	28.4	152	110	70.5	130	52.3	48.4	29.7	9.70B	18
19	9.30B	11.0 B	29.8B	27.4	133	118	186	125	50.6	47.2	31.0	10.2 B	19
20	9.50B	13.6 B	30.0B	25.2	152	126	311	122	49.7	45.3	28.8 B	9.60B	20
21	10.0 B	17.0 B	36.0B	24.8	165	121	280	113	49.5	44.0	27.5 B	8.90B	21
22	10.8 B	21.0 B	42.2B	24.3	158	115	253	110	49.6	43.5	24.7 B	8.00B	22
23	10.7 B	24.5 B	50.0B	23.7	162	109	225	108	52.4	42.5	21.0 B	7.30B	23
24	10.5 B	26.0 B	57.0B	23.6	167	103	208	103	53.5	41.3	19.6 B	6.70B	24
25	10.3 B	25.1 B	64.5A	23.7	171	97.4	197	99.1	54.8	40.3	18.8 B	6.50B	25
26	10.0 B	24.1 B	71.9	23.9	246	90.3	191	96.9	57.7	39.3	17.4 B	6.20B	26
27	9.33B	23.5 B	68.3	24.9	289	86.0	205	93.3	60.2	37.6	15.0 B	5.80B	27
28	9.10B	22.8 B	68.3	25.7	274	84.4	273	87.1	58.1	37.7	12.7 B	5.20B	28
29	8.60B		66.5	25.8	283	83.7	340	82.6	55.9	36.3	10.3 B	4.50B	29
30	8.40B		64.4	25.3	273	84.6	296	78.1	54.3	36.7	9.08B	3.30B	30
31	8.30B		60.7		263		256	75.0		37.6		3.05B	31
TOTAL	327.23	358.88	1 197.9	1 255.6	4 234.6	4 021.4	4 774.5	6 477.1	1 810.5	1 410.0	824.38	251.67	TOTAL
MEAN	10.6	12.8	38.6	41.9	137	134	154	209	60.4	45.5	27.5	8.12	MEAN
MAX	12.9	26.0	71.9	78.1	289	224	340	648	75.7	52.6	38.3	10.3	MAX
MIN	8.30	7.40	22.3	23.6	25.0	83.7	70.5	75.0	49.5	36.3	9.08	3.05	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 73.8
MAXIMUM DAILY, 648 ON AUG 4
MINIMUM DAILY, 3.05B ON DEC 31
MAXIMUM INSTANTANEOUS,
661 AT 10:30 MST ON AUG 4

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 54 10 N
LONG 110 17 50 W
DRAINAGE AREA, 44 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 300	JUL	413 000
FEB	31 000	AUG	560 000
MAR	103 000	SEP	156 000
APR	108 000	OCT	122 000
MAY	366 000	NOV	71 200
JUN	387 000	DEC	21 700

TOTAL DISCHARGE, 2 330 000 dam³

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 05BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.81	17.7	18.7	14.4	4.02	1.74	---	---	1
2	---	---	---	---	2.48	17.0	17.1	12.4	4.20	2.60	---	---	2
3	---	---	---	---	2.15	20.3	17.2	11.3	3.74	2.14	---	---	3
4	---	---	---	---	1.91	19.2	20.9	10.2	3.40	1.87	---	---	4
5	---	---	---	---	1.78	16.1	21.6	8.91	3.25	1.76	---	---	5
6	---	---	---	---	1.66	15.7	21.7	8.41	3.01	1.70	---	---	6
7	---	---	---	---	1.59	14.5	21.5	8.37	2.86	1.71	---	---	7
8	---	---	---	---	1.56	12.6	18.3	8.87	2.86	1.74	---	---	8
9	---	---	---	---	1.62	11.0	14.4	8.37	3.02	1.69	---	---	9
10	---	---	---	---	1.66	9.28	11.9	8.04	3.18	1.62	---	---	10
11	---	---	---	---	1.64	8.44	10.7	7.91	3.00	1.53	---	---	11
12	---	---	---	---	1.63	7.80	9.91	7.81	2.90	1.52	---	---	12
13	---	---	---	---	1.69	7.66	10.1	7.74	2.77	1.44	---	---	13
14	---	---	---	---	1.88	7.63	13.9	7.54	2.56	1.43	---	---	14
15	---	---	---	---	2.24	8.04	15.1	7.12	2.45	1.39	---	---	15
16	---	---	---	---	2.13	8.66	15.3	6.91	2.44	1.38	---	---	16
17	---	---	---	---	2.19	8.36	14.8	7.08	2.51	1.34	---	---	17
18	---	---	---	---	2.88	7.64	14.5	6.67	2.58	1.31	---	---	18
19	---	---	---	---	4.24	7.25	14.6	6.12	2.92	1.31	---	---	19
20	---	---	---	---	5.74	7.20	14.4	6.26	3.28	1.25	---	---	20
21	---	---	---	---	7.66	7.21	14.3	5.86	2.81	1.17	---	---	21
22	---	---	---	---	9.57	6.81	13.7	5.32	2.57	1.18	---	---	22
23	---	---	---	---	13.1	6.79	13.2	4.99	2.41	1.20	---	---	23
24	---	---	---	---	20.1	6.61	12.3	4.74	2.27	1.19	---	---	24
25	---	---	---	---	23.3	7.18	11.7	4.73	2.15	1.19	---	---	25
26	---	---	---	---	33.0	9.17	10.5	4.91	2.05	1.27	---	---	26
27	---	---	---	---	26.5	11.2	10.3	4.86	1.92	1.25	---	---	27
28	---	---	---	1.05A	19.4	10.7	11.7	4.50	1.95	1.25A	---	---	28
29	---		---	1.04	16.4	9.83	14.6	4.12	1.88	1.23E	---	---	29
30	---		---	1 12	17.0	12.6	17.0	4.41	1.77	1.22E	---	---	30
31	---		---		19.4		16.2	3.95		1.20E		---	31
TOTAL	---	---	---	---	249.91	320.16	462.11	222.82	82.73	45.82	---	---	TOTAL
MEAN	---	---	---	---	8.06	10.7	14.9	7.19	2.76	1.48	---	---	MEAN
MAX	---	---	---	---	33.0	20.3	21.7	14.4	4.20	2.60	---	---	MAX
MIN	---	---	---	---	1.56	6.61	9.91	3.95	1.77	1.17	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.52
MAXIMUM DAILY, 33.0 ON MAY 26
MINIMUM DAILY, 1.17 ON OCT 21
MAXIMUM INSTANTANEOUS,
38.5 AT 20:55 MST ON MAY 26

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 20 N
LONG 115 48 40 W
DRAINAGE AREA, 107 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	39 900
FEB	---	AUG	19 300
MAR	---	SEP	7 150
APR	---	OCT	3 960
MAY	21 600	NOV	---
JUN	27 700	DEC	---

TOTAL DISCHARGE, 120 000 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

REDWATER RIVER NEAR THE MOUTH - STATION NO. 05EC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.060B	22.8 B	4.01	0.396	0.380	0.126	0.035	0.013	---	---	1
2	---	---	0.060B	26.6 B	4.12	0.413	0.341	0.150	0.031	0.014	---	---	2
3	---	---	0.060B	22.0 B	4.05	0.451	0.329	0.148	0.026	0.012	---	---	3
4	---	---	0.060B	22.6 B	3.68	0.483	0.309	0.120	0.022	0.011	---	---	4
5	---	---	0.059B	21.6	3.32	0.467	0.273	0.115	0.017	0.010	---	---	5
6	---	---	0.058B	20.7	3.07	0.449	0.261	0.112	0.011	0.004	---	---	6
7	---	---	0.058B	19.1	2.88	0.468	0.279	0.109	0.008	0.004	---	---	7
8	---	---	0.062B	17.7	2.81	0.508	0.260	0.102	0.005	0.017	---	---	8
9	---	---	0.066B	16.2	2.72	0.522	0.209	0.100	0.003	0.029	---	---	9
10	---	---	0.070B	14.9	2.80	0.514	0.189	0.096	0.001	0.028	---	---	10
11	---	---	0.068B	13.9	2.75	0.512	0.172	0.090	0.001	0.025	---	---	11
12	---	---	0.062B	12.7	2.53	0.525	0.168	0.089	0.001	0.020	---	---	12
13	---	---	0.060B	11.4	2.34	0.566	0.167	0.090	0.001	0.016	---	---	13
14	---	---	0.081B	10.3	2.02	0.574	0.195	0.092	0.001	0.015	---	---	14
15	---	---	0.197B	9.52	1.77	0.585	0.223	0.096	0.001	0.015	---	---	15
16	---	---	1.27 B	9.04	1.58	0.601	0.208	0.090	0.001	0.024	---	---	16
17	---	---	2.80 B	8.66	1.44	0.610	0.181	0.084	0.001	0.028	---	---	17
18	---	---	3.28 B	8.17	1.35	0.590	0.160	0.077	0.001	0.028	---	---	18
19	---	---	3.14 B	7.56	1.18	0.612	0.139	0.064	0.001	0.028	---	---	19
20	---	---	2.38 B	6.91	1.04	0.764	0.131	0.045	0.001	0.025	---	---	20
21	---	---	1.82 B	6.52	0.959	0.808	0.136	0.037	0.001	0.022	---	---	21
22	---	---	1.01 B	6.14	0.885	0.779	0.154	0.037	0.001	0.019	---	---	22
23	---	---	1.31 B	5.79	0.867	0.814	0.200	0.037	0.002	0.019	---	---	23
24	---	---	2.05 B	5.53	0.802	0.810	0.245	0.038	0.004	0.017	---	---	24
25	---	---	3.31 B	5.34	0.726	0.697	0.179	0.037	0.009	0.019	---	---	25
26	---	---	5.27 B	5.26	0.639	0.585	0.149	0.038	0.009	0.022	---	---	26
27	---	---	6.56 B	5.10	0.543	0.499	0.126	0.037	0.009	0.021	---	---	27
28	---	---	8.33 B	4.81	0.484	0.466	0.111	0.030	0.010	0.019	---	---	28
29	---		9.19 B	4.40	0.431	0.421	0.069	0.028	0.011	0.019A	---	---	29
30	---		9.50 B	4.11	0.416	0.404	0.109	0.030	0.012	0.018E		---	30
31	---		12.9 B		0.416		0.122	0.035		0.017E		---	31
TOTAL	---	---	75.201	355.36	58.628	16.893	6.174	2.379	0.237	0.578	---	---	TOTAL
MEAN	---	---	2.43	11.8	1.89	0.563	0.199	0.077	0.008	0.019	---	---	MEAN
MAX	---	---	12.9	26.6	4.12	0.814	0.380	0.150	0.035	0.029	---	---	MAX
MIN	---	---	0.058	4.11	0.416	0.396	0.069	0.028	0.001	0.004	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.10
MAXIMUM DAILY, 26.6B ON APR 2
MINIMUM DAILY, 0.001 ON SEP 10
MAXIMUM INSTANTANEOUS,
27 7 AT 21:30 MST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 53 49 N
LONG 112 59 46 W
DRAINAGE AREA, 1 550 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	533
FEB	---	AUG	206
MAR	6 500	SEP	20.5
APR	30 700	OCT	49.9
MAY	5 070	NOV	---
JUN	1 460	DEC	---

TOTAL DISCHARGE, 44 500 dam³

REESOR RESERVOIR NEAR ELKWATER - STATION NO. 11AB090

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	1225.922E	1225.898E	1225.885E	1225.925E	1226.029E	1226.001E	1225.825E	1225.725E	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	1225.886E	---	1226.010E	---	---	1225.775E	---	---	---	18
19	---	---	1225.918E	---	1225.900E	---	1226.062E	1225.933E	---	1225.840E	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	1225.930E	---	---	---	1226.023	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	1225.928	---	---	---	---	---	1225.895	---	1225.870E	---	---	24
25	---	---	1225.915	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	1225.901	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	1225.870	---	---	27
28	---	1225.925E	---	1225.875	---	1226.025E	1226.065	---	1225.725E	---	---	---	28
29	---	---	1225.910E	---	1225.900E	---	1226.065E	1225.875E	1225.722	---	---	---	29
30	---	---	---	1225.872E	---	1226.026E	---	---	1225.720E	---	---	---	30
31	---	---	1225.906E	---	1225.904E	---	1226.054E	1225.865E	---	1225.870E	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 40 N
LONG 110 05 44 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.006B	0.302B	0.216A	0.084	0.015	0.007	0	0.001	---	---	1
2	---	---	0.006B	0.289A	0.210A	0.075	0.014	0.007	0	0	---	---	2
3	---	---	0.007B	0.289A	0.210A	0.063	0.014	0.007	0	0	---	---	3
4	---	---	0.007B	0.287A	0.209A	0.060	0.014	0.007	0	0	---	---	4
5	---	---	0.008B	0.289E	0.206A	0.057	0.013	0.007	0	0	---	---	5
6	---	---	0.008B	0.291A	0.199A	0.055	0.013	0.006	0	0	---	---	6
7	---	---	0.008B	0.286A	0.195A	0.052	0.013	0.006	0	0	---	---	7
8	---	---	0.009B	0.284A	0.193A	0.047	0.015	0.005	0	0	---	---	8
9	---	---	0.010B	0.286A	0.190A	0.039	0.012	0.005	0	0	---	---	9
10	---	---	0.011B	0.284A	0.190A	0.034	0.011	0.004	0	0	---	---	10
11	---	---	0.012B	0.268A	0.194A	0.031	0.010	0.004	0	0	---	---	11
12	---	---	0.013B	0.270A	0.182A	0.029	0.010	0.003	0	0	---	---	12
13	---	---	0.040B	0.260A	0.177A	0.027	0.009	0.002	0	0	---	---	13
14	---	---	0.058B	0.258A	0.177A	0.025	0.012	0.001	0	0	---	---	14
15	---	---	0.100B	0.257A	0.162	0.024	0.013	0.001	0	0	---	---	15
16	---	---	0.150B	0.248A	0.156	0.024	0.011	0	0	0	---	---	16
17	---	---	0.200B	0.260A	0.155	0.023	0.010	0	0	0	---	---	17
18	---	---	0.045B	0.265A	0.139	0.020	0.010	0	0	0	---	---	18
19	---	---	0.035B	0.260E	0.135	0.019	0.010	0	0	0	---	---	19
20	---	---	0.026B	0.255A	0.132	0.019	0.009	0	0	0	---	---	20
21	---	---	0.027B	0.267A	0.128	0.020	0.009	0	0	0	---	---	21
22	---	---	0.029B	0.268A	0.126	0.018	0.008	0	0	0	---	---	22
23	---	---	0.032B	0.265A	0.121	0.018	0.008	0	0	0	---	---	23
24	---	---	0.035B	0.268A	0.113	0.015	0.007	0	0	0	---	---	24
25	---	---	0.044B	0.272A	0.108	0.016	0.006	0	0	0	---	---	25
26	---	---	0.071B	0.265A	0.103	0.015	0.006	0	0.010	0	---	---	26
27	---	---	0.078B	0.253A	0.100	0.015	0.006	0	0.003	0	---	---	27
28	---	---	0.085B	0.260A	0.100	0.015	0.006	0	0.002	0	---	---	28
29	---		0.092B	0.240A	0.096	0.014	0.006	0	0.001	0	---	---	29
30	---		0.103B	0.237A	0.091	0.014	0.008	0	0.001	0 E	---	---	30
31	---		0.200B		0.088		0.007	0		0 E		---	31
TOTAL	---	---	1.555	8.083	4.801	0.967	0.315	0.072	0.017	0.001	---	---	TOTAL
MEAN	---	---	0.050	0.269	0.155	0.032	0.010	0.002	0.001	0	---	---	MEAN
MAX	---	---	0.200	0.302	0.216	0.084	0.015	0.007	0.010	0.001	---	---	MAX
MIN	---	---	0.006	0.237	0.088	0.014	0.006	0	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.302B ON APR 1
MINIMUM DAILY, 0 ON AUG 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 45 N
LONG 110 19 45 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27.2
FEB	---	AUG	6.22
MAR	134	SEP	1.47
APR	698	OCT	0.09
MAY	415	NOV	---
JUN	83.5	DEC	---

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.074	0.002	0	0	0	0	0	0	---	1
2	---	---	0 B	0.035	0.001	0	0	0	0	0	0	---	2
3	---	---	0 B	0.026	0.002	0	0	[illegible]	0	0	---	---	3
4	---	---	0 B	0.020	0.002	0	0	[illegible]	0	0	---	---	4
5	---	---	0 B	0.014	0.003	0	0	[illegible]	0	0	---	---	5
6	---	---	0 B	0.013	1.05	0	0	0 [illegible]	0	0	---	---	6
7	---	---	0.010B	0.010	2.09	0	0	0.[illegible]	0	0	---	---	7
8	---	---	0.020B	0.008	0.245	0	0	0.00[illegible]	0	0	---	---	8
9	---	---	0.040B	0.009	0.100	0	0	0.001	0	0	---	---	9
10	---	---	0.070B	0.006	0.064	0	0	0	0	0	---	---	10
11	---	---	0.090B	0.006	0.046	0	0	0	0	0	---	---	11
12	---	---	0.076B	0.005	0.031	0	0	0	0	0	---	---	12
13	---	---	0.055B	0.005	0.023	0	0	0	0	0	---	---	13
14	---	---	0.060B	0.005	0.016	0	0	0	0	0	---	---	14
15	---	---	0.075B	0.005	0.013	0	0	0	0	0	---	---	15
16	---	---	0.085B	0.005	0.011	0	0	0	0	0	---	---	16
17	---	---	0.065B	0.005	0.013	0	0	0	0	0	---	---	17
18	---	---	0.040B	0.004	0.018	0	0	0	0	0	---	---	18
19	---	---	0.020B	0.004	0.022	0	0	0	0	0	---	---	19
20	---	---	0.025B	0.003	0.018	0	0	0	0	0	---	---	20
21	---	---	0.025B	0.003	0.013	0	0	0	0	0	---	---	21
22	---	---	0.030B	0.003	0.009	0	0	0	0	0	---	---	22
23	---	---	0.035B	0.003	0.007	0	0	0	0	0	---	---	23
24	---	0.073B	0.045B	0.003	0.005	0	0	0	0	0	---	---	24
25	---	0.057B	0.055B	0.002	0.002	0	0	0	0	0	---	---	25
26	---	0.035B	0.061B	0.002	0.002	0	0	0	0	0	---	---	26
27	---	0 B	0.050B	0.004	0.001	0	0	0	0	0	---	---	27
28	---	0 B	0.045B	0.003	0	0	0	0	0	0	---	---	28
29	---		0.030B	0.002	0	0	0	0	0	0	---	---	29
30	---		0.040B	0.002	0	0	0	0	0	0	---	---	30
31	---		0.110B		0		0	0		0		---	31
TOTAL	---	---	1.257	0.289	3.809	0	0	0.044	0	0	---	---	TOTAL
MEAN	---	---	0.041	0.010	0.123	0	0	0.001	0	0	---	---	MEAN
MAX	---	---	0.110	0.074	2.09	0	0	0.023	0	0	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.022
MAXIMUM DAILY, 2.09 ON MAY 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.07 AT 23:15 MST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 43 01 N
LONG 113 21 47 W
DRAINAGE AREA, 57.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	3.80
MAR	109	SEP	0
APR	25.0	OCT	0
MAY	329	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 467 dam³

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.046	0.006	0.002	0	0	0	0	0	---	1
2	---	---	0.001B	0.050	0.006	0.002	0	0.002	0	0	0	---	2
3	---	---	0.001B	0.054	0.006	0.002	0	0.003	0	0	---	---	3
4	---	---	0.001B	0.062	0.006	0.002	0	0.003	0	0	---	---	4
5	---	---	0.001B	0.066	0.005	0.002	0	0.003	0	0	---	---	5
6	---	---	0.001B	0.067	0.006	0.002	0	0.003	0	0	---	---	6
7	---	---	0.001B	0.064	0.007	0.004	0	0.002	0	0	---	---	7
8	---	---	0.001B	0.059	0.006	0.003	0	0.001	0	0	---	---	8
9	---	---	0 B	0.057	0.006	0.003	0	0.001	0	0	---	---	9
10	---	---	0 B	0.062	0.006	0.003	0	0	0	0	---	---	10
11	---	---	0 B	0.066	0.005	0.002	0	0	0	0	---	---	11
12	---	---	0 B	0.067	0.005	0.002	0	0	0	0	---	---	12
13	---	---	0 B	0.065	0.004	0.001	0	0	0	0	---	---	13
14	---	---	0 B	0.064	0.003	0.001	0	0	0	0	---	---	14
15	---	---	0 B	0.066	0.002	0.001	0	0	0	0	---	---	15
16	---	---	0.023B	0.068	0.002	0.001	0	0	0	0	---	---	16
17	---	---	0.041B	0.062	0.002	0.001	0	0	0	0	---	---	17
18	---	---	0.075B	0.055	0.002	0	0	0	0	0	---	---	18
19	---	---	0.060B	0.047	0.002	0	0	0	0	0	---	---	19
20	---	---	0.050B	0.042	0.002	0	0	0	0	0	---	---	20
21	---	---	0.039B	0.037	0.001	0	0	0	0	0	---	---	21
22	---	---	0.031B	0.032	0.002	0	0	0	0	0	---	---	22
23	---	---	0.034B	0.027	0.002	0	0	0	0	0	---	---	23
24	---	---	0.037B	0.024	0.001	0	0	0	0	0	---	---	24
25	---	---	0.041B	0.019	0.001	0	0	0	0	0	---	---	25
26	---	---	0.047B	0.015	0.001	0	0	0	0	0	---	---	26
27	---	---	0.048B	0.012	0.001	0	0	0	0	0	---	---	27
28	---	---	0.049B	0.010	0	0	0	0	0	0	---	---	28
29	---		0.051B	0.008	0	0	0	0	0	0	---	---	29
30	---		0.053B	0.007	0	0	0	0	0	0	---	---	30
31	---		0.049		0.001		0	0		0		---	31
TOTAL	---	---	0.736	1.380	0.099	0.034	0	0.018	0	0	---	---	TOTAL
MEAN	---	---	0.024	0.046	0.003	0.001	0	0.001	0	0	---	---	MEAN
MAX	---	---	0.075	0.068	0.007	0.004	0	0.003	0	0	---	---	MAX
MIN	---	---	0	0.007	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.075B ON MAR 18
MINIMUM DAILY, 0B ON MAR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 29 17 N
LONG 110 44 15 W
DRAINAGE AREA, 1 830 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	1.56
MAR	63.6	SEP	0
APR	119	OCT	0
MAY	8.55	NOV	---
JUN	2.94	DEC	---

TOTAL DISCHARGE, 196 dam³

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.089B	0.018	3.96	0.456	0.292	0	0E	0.001E	---	1
2	---	---	0 B	0.080B	0.023	1.99	0.426	0.253	0.004E	0E	0.001E	---	2
3	---	---	0 B	0.077B	0.029	0.652	0.367	0.087	0.008E	0E	0.001	---	3
4	---	---	0 B	0.080B	0.034	0.751	0.365E	0.090	0.012E	0E	---	---	4
5	---	---	0 B	0.090B	0.037	0.776	0.364E	0.091E	0.018	0	---	---	5
6	---	---	0 B	0.061B	0.040E	0.804	0.363	0.092	0.014	0E	---	---	6
7	---	---	0 B	0.082B	0.045E	0.924	0.361	0.054E	0.007E	0E	---	---	7
8	---	---	0 B	0.077B	0.051	1.30	0.362E	0.026	0.005	0E	---	---	8
9	---	---	0 B	0.065B	0.057	1.57	0.363	0.002	0.003	0E	---	---	9
10	---	---	0 B	0.070B	0.062	1.57	0.265	0	0.001	0E	---	---	10
11	---	---	0 B	0.076	0.066	1.60	0.219	0	0 E	0E	---	---	11
12	---	---	0 B	0.079	0.073	1.47 E	0.206	0	0	0E	---	---	12
13	---	---	0 B	0.078	0.078	1.25 E	0.198	0	0 E	0E	---	---	13
14	---	---	0 B	0.075	0.084	1.22	0.184	0	0	0E	---	---	14
15	---	---	0 B	0.060	0.100E	1.05	0.215E	0 E	0	0E	---	---	15
16	---	---	0 B	0.054E	0.141	0.959	0.243	0	0	0E	---	---	16
17	---	---	0.003B	0.049E	0.180	0.959	0.246	0.026	0 E	0E	---	---	17
18	---	---	0.023B	0.045	0.232	0.858	0.184	0.129	0 E	0E	---	---	18
19	---	---	0.026B	0.051	0.291	0.800E	0.145E	0.220	0 E	0E	---	---	19
20	---	---	0.026B	0.041	0.332	0.736	0.120E	0.142	0 E	0E	---	---	20
21	---	---	0.028B	0.039	0.497	0.741	0.096	0.104E	0 E	0E	---	---	21
22	---	---	0.030B	0.038	0.787	0.740E	0.095E	0.066	0 E	0E	---	---	22
23	---	---	0.026B	0.038	0.876	0.735E	0.093E	0.059	0 E	0E	---	---	23
24	---	---	0.026B	0.036	0.959	0.730E	0.092	0.034E	0 E	0E	---	---	24
25	---	---	0.026B	0.032	1.04	0.727	0.067	0.008	0 E	0E	---	---	25
26	---	---	0.034B	0.030	1.24	0.718	0.066	0.005	0	0E	---	---	26
27	---	---	0.075B	0.023E	2.01	0.713	0.060	0.003	0 E	0E	---	---	27
28	---	---	0.068B	0.011	2.04	0.692	0.053	0.001	0 E	0E	---	---	28
29	---		0.080B	0.008	2.27	0.580E	0.025	0 E		0E	---	---	29
30	---		0.103B	0.025	2.36	0.500E	0.292	0 E	0 E	0E	---	---	30
31	---		0.102B		2.45		0.292E	0 E		0E		---	31
TOTAL	---	---	0.676	1.659	18.502	32.075	6.883	1.784	0.072	0	---	---	TOTAL
MEAN	---	---	0.022	0.055	0.597	1.07	0.222	0.058	0.002	0	---	---	MEAN
MAX	---	---	0.103	0.090	2.45	3.96	0.456	0.292	0.018	0	---	---	MAX
MIN	---	---	0	0.008	0.018	0.500	0.025	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.252
MAXIMUM DAILY, 3.96 ON JUN 1
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 45 18 N
LONG 110 29 00 W
DRAINAGE AREA, 3 130 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	595
FEB	---	AUG	154
MAR	58.4	SEP	6.22
APR	143	OCT	0
MAY	1 600	NOV	---
JUN	2 770	DEC	---

TOTAL DISCHARGE, 5 330 dam³

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.031	0.003	0	0	0	0	0	0	---	1
2	---	---	0 B	0.032	0.002	0	0	0	0	0	0A	---	2
3	---	---	0 B	0.053	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	0.032	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.019	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.031	0.003	0	0	0	0	0	---	---	6
7	---	---	0 B	0.027	0.010	0	0	0	0	0	---	---	7
8	---	---	0 B	0.026	0.020	0	0	0	0	0	---	---	8
9	---	---	0 B	0.038	0.027	0	0	0	0	0	---	---	9
10	---	---	0 B	0.038	0.041	0	0	0	0	0	---	---	10
11	---	---	0.031B	0.024	0.048	0	0	0	0	0	---	---	11
12	---	---	0.184B	0.018	0.053	0	0	0	0	0	---	---	12
13	---	---	0.178B	0.019	0.055	0	0	0	0	0	---	---	13
14	---	---	0.147B	0.018	0.055	0	0	0	0	0	---	---	14
15	---	---	0.224B	0.014	0.053	0	0	0	0	0	---	---	15
16	---	---	0.294B	0.012	0.047	0	0	0	0	0	---	---	16
17	---	---	0.254B	0.016	0.045	0	0	0	0	0	---	---	17
18	---	---	0.116B	0.029	0.038	0	0	0	0	0	---	---	18
19	---	---	0.085B	0.058	0.034	0	0	0	0	0	---	---	19
20	---	---	0.051B	0.062	0.029	0	0	0	0	0	---	---	20
21	---	---	0.052B	0.061	0.025	0	0	0	0	0	---	---	21
22	---	---	0.053B	0.054	0.019	0	0	0	0	0	---	---	22
23	---	---	0.054B	0.044	0.012	0	0	0	0	0	---	---	23
24	---	---	0.056B	0.032	0.009	0	0	0	0	0	---	---	24
25	---	---	0.062B	0.029	0.006	0	0	0	0	0	---	---	25
26	---	---	0.065A	0.028	0	0	0	0	0	0	---	---	26
27	---	---	0.060	0.024	0	0	0	0	0	0	---	---	27
28	---	---	0.046	0.017	0	0	0	0	0	0	---	---	28
29	---		0.045	0.011	0	0	0	0	0	0	---	---	29
30	---		0.041	0.006	0	0	0	0	0	0	---	---	30
31	---		0.034		0		0	0		0		---	31
TOTAL	---	---	2.132	0.903	0.635	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.069	0.030	0.020	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.294	0.062	0.055	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.006	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.294B ON MAR 16
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 10 47 N
LONG 111 14 15 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	184	SEP	0
APR	78.0	OCT	0
MAY	54.9	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 317 dam³

RICHARDSON LAKE AT THE OUTLET - STATION NO. 07DD008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	210.006	209.782	210.067	209.367	---	---	---	1
2	---	---	---	---	---	210.029	209.729	210.089	209.405	208.928	---	---	2
3	---	---	---	---	---	210.075	209.681	210.083	209.343	---	---	---	3
4	---	---	---	---	---	210.107	209.667	210.079	209.380	---	---	---	4
5	---	---	---	---	---	210.129	209.576	210.089	209.384	---	---	---	5
6	---	---	---	---	---	210.113	209.620	210.121	209.382	---	---	---	6
7	---	---	---	---	---	210.155	209.623	210.124	209.355	---	---	---	7
8	---	---	---	---	---	210.219	209.741	210.138	209.333	---	---	---	8
9	---	---	---	---	---	210.273	209.638	210.128	209.301	---	---	---	9
10	---	---	---	---	---	210.307	209.653	210.093	---	---	---	---	10
11	---	---	---	---	---	210.319	209.725	210.054	---	---	---	---	11
12	---	---	---	---	---	210.315	209.813	210.065	---	---	---	---	12
13	---	---	---	---	---	210.288	209.889	209.963	---	---	---	---	13
14	---	---	---	---	---	210.238	209.935	209.881	---	---	---	---	14
15	---	---	---	---	---	210.188	209.919	209.845	---	---	---	---	15
16	---	---	---	---	---	210.128	209.892	209.786	---	---	---	---	16
17	---	---	---	---	---	210.082	209.866	209.751	---	---	---	---	17
18	---	---	---	---	---	210.025	209.860	209.743	---	---	---	---	18
19	---	---	---	---	---	209.978	209.836	209.700	---	---	---	---	19
20	---	---	---	---	---	209.949	209.791	209.656	---	---	---	---	20
21	---	---	---	---	---	209.917	209.754	209.633	---	---	---	---	21
22	---	---	---	---	---	209.905	209.749	209.637	---	---	---	---	22
23	---	---	---	---	---	209.913	209.826	209.614	---	---	---	---	23
24	---	---	---	---	---	209.927	209.856	209.605	---	---	---	---	24
25	---	---	---	---	209.742	209.925	209.855	209.590	---	---	---	---	25
26	---	---	---	---	209.736	209.939	209.849	209.552	---	---	---	---	26
27	---	---	---	---	209.814	209.910	209.865	209.509	---	---	---	---	27
28	---	---	---	---	209.767	209.874	209.922	209.461	---	---	---	---	28
29	---		---	---	209.837	209.849	209.976	209.521	---	---	---	---	29
30	---		---	---	209.960	209.828	210.004	209.491	---	---	---	---	30
31	---		---		210.004		210.037	209.417		---		---	31
MEAN	---	---	---	---	---	210.064	209.804	209.822	---	---	---	---	MEAN
MAX	---	---	---	---	---	210.319	210.037	210.138	---	---	---	---	MAX
MIN	---	---	---	---	---	209.828	209.576	209.417	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 55 N
LONG 110 58 20 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.3B	10.9B	13.2B	13.1B	36.5B	14.2	13.0E	12.8	10.5	10.9	11.8 B	9.70B	1
2	11.4B	10.9B	13.4B	13.1B	37.0B	14.0	12.5E	12.7	10.5	10.9	11.9 B	9.60B	2
3	11.5B	10.8B	13.6B	13.1B	36.8B	14.0	12.0E	12.5	10.5	11.0	12.0 B	9.60B	3
4	11.6B	10.8B	13.8B	13.0B	35.7	13.8E	11.5E	12.4	10.4	10.9	12.0 B	9.60B	4
5	11.7B	10.8B	13.9B	13.2B	32.7	14.0E	11.4E	12.3	10.5	11.0	12.1 B	9.50B	5
6	11.8B	10.8B	14.0B	13.3B	29.1	14.5E	11.5E	12.2	10.6	11.0	12.1 B	9.40B	6
7	11.9B	10.8B	14.0B	13.5B	26.6	15.0E	11.7E	12.2	10.5	10.9	12.0 B	9.30B	7
8	12.0B	10.8B	14.0B	13.6B	25.0	16.0E	12.0E	12.1	10.6	11.0	11.9 B	9.19B	8
9	12.0B	10.8B	14.0B	13.7B	24.3	17.5E	12.5E	11.7	10.7	11.1	11.7 B	9.10B	9
10	12.0B	10.9B	14.1B	13.8B	23.9	18.5E	13.5E	11.5	10.7	11.1	11.5 B	9.10B	10
11	12.1B	10.9B	14.1B	13.9B	23.1	19.5E	15.0E	11.4	10.7	11.5	11.2 B	9.00B	11
12	12.1B	10.9B	14.1B	14.0B	22.2	20.0E	16.5E	11.3	10.6	11.8	11.0 B	9.00B	12
13	12.0B	11.0B	14.1B	14.1B	21.5	20.0E	18.5E	11.3	10.6	11.9	10.8 B	8.90B	13
14	11.9B	11.2B	14.1B	14.2B	20.8	19.5E	19.0E	11.2	10.6	12.2	10.5 B	8.80B	14
15	11.8B	11.3B	14.1B	14.3B	20.3	19.0E	19.0E	11.1	10.6	12.1	10.4 B	8.90B	15
16	11.7B	11.4B	14.1B	14.4B	19.8	18.5E	18.5E	10.9	10.5	12.2	10.3 B	8.90B	16
17	11.7B	11.5B	14.0B	14.6B	19.4	18.0E	18.0E	10.9	10.6	12.3	10.3 B	9.00B	17
18	11.6B	11.6B	14.0B	14.7B	19.1	17.0E	17.5E	10.8	10.6	12.3	10.3 B	9.00B	18
19	11.5B	11.8B	14.0B	14.9B	18.7	16.5E	16.5E	10.7	10.5	12.5	10.3 B	9.10B	19
20	11.4B	12.0B	14.0B	15.0B	18.3	16.0E	15.7A	10.7	10.6	12.4	10.3 B	9.20B	20
21	11.3B	12.1B	14.0B	15.2B	18.1	15.5E	15.1	10.6	10.7	12.6	10.3 B	9.30B	21
22	11.2B	12.2B	13.8B	15.6B	17.5	15.5E	14.7	10.6	10.6	12.5B	10.3 B	9.40B	22
23	11.2B	12.4B	13.7B	16.3B	17.2	16.0E	14.7	10.6	10.6	12.4B	10.2 B	9.40B	23
24	11.2B	12.5B	13.6B	17.5B	16.9	16.0E	14.6	10.8	10.8	12.2B	10.1 B	9.40B	24
25	11.1B	12.6B	13.5B	19.0B	16.6	16.0E	14.3	10.8	10.8	12.0B	10.0 B	9.30B	25
26	11.1B	12.7B	13.5B	22.0B	16.2	16.0E	14.2	10.9	10.8	11.8B	9.90B	9.30B	26
27	11.1B	12.9B	13.4B	24.5B	16.0	15.5E	14.1	10.8	10.8	11.6B	9.80B	9.20B	27
28	11.0B	13.0B	13.4B	27.0B	15.6	15.0E	13.9	10.8	10.7	11.5B	9.80B	9.20B	28
29	11.0B		13.3B	30.0B	15.3	14.5E	13.6	10.7	10.8	11.5B	9.80B	9.10B	29
30	11.0B		13.3B	34.0B	14.9	13.5E	13.1	10.6	10.8	11.6B	9.70B	9.00B	30
31	10.9B		13.2B		14.5		12.9	10.5		11.7B		9.00B	31
TOTAL	357.1	322.3	427.3	498.6	689.6	489.0	451.0	350.4	318.8	362.4	324.30	285.49	TOTAL
MEAN	11.5	11.5	13.8	16.6	22.2	16.3	14.5	11.3	10.6	11.7	10.8	9.21	MEAN
MAX	12.1	13.0	14.1	34.0	37.0	20.0	19.0	12.8	10.8	12.6	12.1	9.70	MAX
MIN	10.9	10.8	13.2	13.0	14.5	13.5	11.4	10.5	10.4	10.9	9.70	8.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.4
MAXIMUM DAILY, 37.0B ON MAY 2
MINIMUM DAILY, 8.80B ON DEC 14

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 21 48 N
LONG 111 14 14 W
DRAINAGE AREA, 2 950 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	30 900	JUL	39 000
FEB	27 800	AUG	30 300
MAR	36 900	SEP	27 500
APR	43 100	OCT	31 300
MAY	59 600	NOV	28 000
JUN	42 200	DEC	24 700

TOTAL DISCHARGE, 421 000 dam³

RIVIERE DES ROCHERS ABOVE REVILLON COUPE - STATION NO. 07NA003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	207.860	207.772	207.757	208.395	208.595	208.526	208.482	208.367	208.156	---	207.888	1
2	---	207.861	207.758	207.746	---	208.652	208.538	208.508	208.309	208.146	---	207.877	2
3	---	207.864	207.736	207.737	---	208.604	208.488	208.545	208.361	207.979	---	207.862	3
4	---	207.822	207.761	207.711	---	208.580	209.310	208.586	208.478	208.126	---	207.879	4
5	---	207.826	207.748	207.754	---	208.582	208.562	208.562	208.396	208.241	---	207.955	5
6	208.008	207.801	207.720	207.755	---	208.909	208.649	208.482	208.418	208.282	---	---	6
7	207.968	207.830	207.718	207.746	208.663	208.940	208.632	208.559	208.482	---	---	---	7
8	207.977	207.797	207.726	207.772	208.553	208.786	208.388	208.564	208.343	---	---	---	8
9	207.989	207.787	207.709	207.815	208.510	208.684	208.431	208.540	208.386	---	---	---	9
10	207.985	207.789	207.710	207.838	208.498	208.680	208.536	208.556	208.164	---	---	---	10
11	207.970	207.788	207.673	207.818	208.469	208.707	208.625	208.533	208.344	---	---	---	11
12	207.968	207.787	207.696	207.836	208.473	208.700	208.648	208.338	208.249	---	207.816	---	12
13	207.952	207.799	207.713	207.850	208.529	208.654	208.643	208.479	208.345	---	---	---	13
14	207.960	207.828	207.711	207.869	208.623	208.642	208.779	208.528	208.378	---	---	---	14
15	207.968	207.795	207.731	207.879	208.585	208.639	208.711	208.486	208.406	---	---	---	15
16	207.948	207.793	207.743	207.880	208.529	208.671	208.609	208.475	208.298	---	---	207.959	16
17	207.953	207.793	207.723	207.881	208.543	208.630	208.550	208.504	208.317	---	---	---	17
18	207.946	207.799	207.704	207.876	208.565	208.651	208.710	208.547	208.445	---	---	---	18
19	207.948	207.785	207.703	207.898	208.549	208.689	208.845	208.615	208.507	---	---	---	19
20	207.924	207.782	207.699	207.900	208.555	208.700	208.683	208.520	208.325	---	---	---	20
21	207.932	207.767	207.708	207.856	208.621	208.626	208.616	208.503	208.248	---	---	---	21
22	207.934	207.804	207.707	207.846	208.735	208.637	208.588	208.539	208.315	---	---	---	22
23	207.921	207.783	207.735	207.849	208.627	208.625	208.697	208.518	208.243	---	---	---	23
24	207.904	207.786	207.757	207.872	208.615	208.675	208.556	208.596	208.230	---	---	---	24
25	207.900	207.794	207.777	207.916	208.626	208.625	208.581	208.585	208.235	---	207.813	---	25
26	207.905	207.788	207.779	207.943	208.613	208.580	208.532	208.543	208.343	---	207.807	---	26
27	207.904	207.774	207.785	207.979	208.816	208.561	208.447	208.487	208.364	---	207.807	---	27
28	207.906	207.770	207.780	208.073	208.613	208.578	208.503	208.393	208.307	---	207.808	---	28
29	207.892		207.791	208.195	208.646	208.586	208.573	208.459	208.219	---	207.839	---	29
30	207.863		207.774	208.300	208.745	208.459	208.527	208.443	208.212	---	207.852	---	30
31	207.865		207.766		208.706		208.542	208.448		---		---	31
MEAN	---	207.802	207.736	207.872	---	208.655	208.581	208.514	208.334	---	---	---	MEAN
MAX	---	207.864	207.791	208.300	---	208.940	208.845	208.615	208.507	---	---	---	MAX
MIN	---	207.767	207.673	207.711	---	208.459	208.310	208.338	208.164	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 50 30 N
LONG 111 16 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS ABOVE SLAVE RIVER - STATION NO. 07NA001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	206.689	207.030	---	208.053	206.712	206.776	205.806	206.120	205.846	207.476	1
2	---	---	206.600	207.005	---	208.106	206.701	206.761	205.759	206.140	205.865	207.494	2
3	---	206.255	206.449	206.987	---	208.126	206.665	206.766	205.785	206.027	205.933	207.505	3
4	---	206.255	206.323	206.967	---	208.096	206.498	206.775	205.858	206.069	205.905	207.504	4
5	---	206.257	206.210	206.994	---	208.021	206.562	206.775	205.848	206.184	205.780	207.619	5
6	206.755	206.262	206.126	207.046	---	208.120	206.643	206.782	205.860	206.230	205.771	207.697	6
7	206.648	206.259	206.090	207.083	208.745	208.272	206.638	206.851	205.872	206.415	205.761	207.675	7
8	206.551	206.275	206.115	207.146	---	208.218	206.563	206.909	205.880	206.514	205.736	207.655	8
9	206.491	206.279	206.190	207.209	---	208.164	206.486	206.894	205.895	206.441	205.793	207.720	9
10	206.470	206.303	206.305	207.280	---	208.113	206.571	206.858	205.838	206.359	205.966	207.829	10
11	206.473	---	206.433	207.307	---	208.045	206.619	206.810	205.939	206.277	206.276	207.870	11
12	206.494	---	206.550	207.338	---	207.963	206.630	206.650	205.989	206.256	206.318	207.897	12
13	206.509	---	206.662	207.359	---	207.841	206.609	206.481	206.093	206.244	206.260	207.904	13
14	206.527	206.305	206.742	207.373	207.846	207.699	206.612	206.424	206.172	206.231	206.376	207.882	14
15	206.547	206.398	206.810	207.389	207.918	207.534	206.571	206.306	206.208	206.212	206.611	207.852	15
16	206.557	206.471	206.859	207.398	207.937	207.398	206.442	206.161	206.140	206.204	206.727	207.805	16
17	206.566	206.525	206.880	207.401	207.964	207.252	206.312	206.092	206.130	206.185	206.801	207.698	17
18	206.578	206.559	206.878	207.385	207.964	207.152	206.292	206.089	206.167	206.200	206.833	207.603	18
19	206.599	206.579	206.881	207.365	207.895	207.126	206.404	206.104	206.288	206.308	206.845	207.494	19
20	---	206.624	206.884	207.344	207.847	207.090	206.318	206.055	206.201	206.189	206.920	207.409	20
21	---	206.652	206.901	207.298	207.851	207.044	206.233	206.020	206.110	206.050	207.068	207.339	21
22	---	206.714	206.925	207.264	207.931	207.042	206.194	206.030	206.132	205.961	207.175	207.308	22
23	---	206.766	206.971	207.249	207.863	207.050	206.323	206.005	206.110	205.934	207.182	207.283	23
24	---	206.788	207.033	207.266	207.836	207.085	206.365	205.993	206.061	205.957	207.167	207.266	24
25	---	206.798	207.085	207.327	207.848	207.066	206.420	205.948	206.047	205.939	207.176	207.280	25
26	---	206.799	207.124	207.419	207.879	207.062	206.392	205.891	206.074	205.964	207.195	207.330	26
27	---	206.783	207.138	207.565	208.076	206.953	206.285	205.869	206.114	205.936	207.264	207.380	27
28	---	206.750	207.143	207.823	208.053	206.886	206.366	205.824	206.102	205.992	207.359	207.456	28
29	---		207.129	208.143	208.114	206.835	206.615	205.899	206.072	206.026	207.409	207.543	29
30	---		207.086	208.355	208.162	206.719	206.757	205.916	206.106	205.984	207.462	---	30
31	---		207.054		208.146		206.812	205.864		205.950		---	31
MEAN	---	---	206.718	207.337	---	207.538	206.504	206.341	206.022	206.145	206.559	---	MEAN
MAX	---	---	207.143	208.355	---	208.272	206.812	206.909	206.288	206.514	207.462	---	MAX
MIN	---	---	206.090	206.967	---	206.719	206.194	205.824	205.759	205.934	205.736	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 59 30 N
LONG 111 24 00 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS EAST OF LITTLE RAPIDS - STATION NO. 07NA007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	207.756	207.804	207.789	---	208.580	208.443	208.517	208.354	208.168	---	207.621	1
2	---	207.720	207.803	207.789	---	208.632	208.467	208.540	208.329	208.152	---	207.905	2
3	---	207.705	207.804	207.790	---	208.590	208.424	208.584	208.381	207.990	---	207.893	3
4	---	207.705	207.803	---	---	208.575	208.246	208.581	208.483	208.152	---	207.916	4
5	---	207.742	207.802	---	---	208.585	208.482	208.556	208.397	208.270	---	207.994	5
6	208.029	207.746	---	---	---	208.887	208.579	208.496	208.404	208.320	---	208.045	6
7	207.925	207.830	---	---	208.709	208.922	208.568	208.540	208.483	208.637	---	207.970	7
8	207.915	---	---	---	208.569	208.788	208.352	208.558	208.355	208.578	---	207.923	8
9	207.891	---	---	---	208.504	208.684	208.387	208.506	208.402	208.395	---	207.955	9
10	207.847	---	---	---	208.504	208.669	208.508	208.503	208.169	208.271	---	208.038	10
11	207.874	---	207.709	---	208.498	208.679	208.601	208.534	208.361	208.129	---	208.017	11
12	207.901	---	---	---	208.468	208.662	208.616	208.363	208.266	208.122	---	208.025	12
13	207.916	---	---	---	208.525	208.601	208.594	208.514	208.342	208.104	207.779	---	13
14	207.946	---	---	---	208.603	208.571	208.727	208.564	208.366	208.148	---	---	14
15	207.995	---	---	---	208.559	208.549	208.677	208.495	208.400	208.093	---	---	15
16	208.049	---	---	---	208.501	208.574	208.579	208.502	208.311	208.107	---	207.980	16
17	208.054	---	---	---	208.516	208.522	208.527	208.527	208.328	208.066	---	207.944	17
18	207.970	---	---	---	208.527	208.520	208.670	208.560	208.434	208.147	---	207.924	18
19	207.875	---	---	---	208.507	208.559	208.811	208.615	208.525	208.273	---	207.888	19
20	207.852	---	---	---	208.511	208.550	208.663	208.508	208.326	207.980	---	207.855	20
21	207.923	---	---	---	208.562	208.473	208.606	208.489	208.251	---	---	207.837	21
22	207.945	---	---	---	208.665	208.490	208.583	208.516	208.316	---	---	207.824	22
23	207.881	---	---	---	208.564	208.461	208.678	208.479	208.253	---	---	207.807	23
24	207.898	---	207.804	---	208.555	208.504	208.558	208.562	208.244	---	---	207.803	24
25	207.939	207.837	207.805	---	208.572	208.459	208.587	208.553	208.250	---	207.834	207.803	25
26	207.933	207.834	207.803	---	208.571	208.419	208.551	208.522	208.342	---	---	207.815	26
27	207.902	207.825	207.800	---	208.755	208.441	208.475	208.470	208.387	---	---	207.819	27
28	207.881	207.808	207.799	---	208.579	208.452	208.536	208.375	208.333	---	---	207.838	28
29	207.851		207.797	---	208.614	208.460	208.602	208.454	208.250	---	---	207.877	29
30	207.832		207.795	---	208.712	208.361	208.556	208.431	208.236	---	---	---	30
31	207.786		207.791		208.676		208.573	208.449		---		---	31
MEAN	---	---	---	---	---	208.574	208.556	208.512	208.343	---	---	---	MEAN
MAX	---	---	---	---	---	208.922	208.811	208.615	208.525	---	---	---	MAX
MIN	---	---	---	---	---	208.361	208.246	208.363	208.169	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 55 N
LONG 111 10 30 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

RIVIERE DES ROCHERS WEST OF LITTLE RAPIDS - STATION NO. 07NA008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	208.055	206.772	206.864	205.892	206.158	---	---	1
2	---	---	---	---	---	208.108	206.765	206.856	---	---	---	---	2
3	---	---	---	---	---	208.127	206.727	206.871	---	---	---	---	3
4	---	---	---	---	---	208.104	206.554	206.883	---	---	---	---	4
5	---	---	---	---	---	208.033	206.631	206.877	---	---	---	---	5
6	---	---	---	---	---	208.169	206.727	206.873	---	---	---	---	6
7	---	---	---	---	---	208.309	206.720	206.947	---	---	---	---	7
8	---	---	---	---	---	208.242	206.622	207.007	---	---	---	---	8
9	---	---	---	---	---	208.182	206.542	206.987	---	---	---	---	9
10	---	---	---	---	---	208.131	206.632	206.959	---	---	---	---	10
11	---	---	---	---	---	208.067	206.688	206.919	---	---	---	---	11
12	---	---	---	---	---	207.989	206.694	206.744	---	---	---	---	12
13	---	---	---	---	---	207.869	206.672	206.600	---	---	---	---	13
14	---	---	---	---	---	207.732	206.695	206.540	---	---	---	---	14
15	---	---	---	---	---	207.579	206.638	---	206.270	---	---	---	15
16	---	---	---	---	---	207.452	206.490	---	---	---	---	---	16
17	---	---	---	---	---	207.305	206.364	---	---	---	---	---	17
18	---	---	---	---	---	207.214	206.389	---	---	---	---	---	18
19	---	---	---	---	---	207.190	206.489	---	---	---	---	---	19
20	---	---	---	---	---	207.155	206.381	---	---	---	---	---	20
21	---	---	---	---	---	207.096	206.318	---	---	---	---	---	21
22	---	---	---	---	---	207.099	206.315	---	---	---	---	---	22
23	---	---	---	---	---	207.105	206.409	---	---	---	---	---	23
24	---	---	---	---	---	207.146	206.425	---	---	---	---	---	24
25	---	---	---	---	---	207.130	206.486	---	---	---	---	---	25
26	---	---	---	---	207.892	207.109	206.456	---	---	---	---	---	26
27	---	---	---	---	208.092	207.012	206.355	---	---	---	---	---	27
28	---	---	---	---	208.051	206.949	206.452	---	---	---	---	---	28
29	---		---	---	208.114	206.896	206.705	---	---	---	---	---	29
30	---		---	---	208.168	206.770	206.835	---	---	---	---	---	30
31	---		---		208.155		206.894	---		---		---	31
MEAN	---	---	---	---	---	207.577	206.576	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	208.309	206.894	---	---	---	---	---	MAX
MIN	---	---	---	---	---	206.770	206.315	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 55 35 N
LONG 111 12 15 W
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.021B	0.093	0.021	0.002	0.002	0.001	0.002	0.002	---	1
2	---	0.002B	0.002B	0.027B	0.094	0.019	0.002	0.002	0.002	0.002	0.002	---	2
3	---	---	---	0.046B	0.084	0.023	0.001	0.002	0.055	0.002	0.002	---	3
4	---	---	---	0.069B	0.072	0.013	0.001	0.002	0.007	0.002	0.002	---	4
5	0.002B	---	0.001B	0.089B	0.059	0.011	0.001	0.003	0.002	0.001	0.002	---	5
6	---	---	---	0.120B	---	0.009	0.001	0.001	0.002	0.002	0.002	---	6
7	---	---	---	0.141B	---	0.008	0.001	0.001	0.002	0.002	0.002	---	7
8	---	---	---	0.153B	---	0.006	0.001	0.001	0.001	0.002	0.002	---	8
9	---	0.001B	0.002B	0.173B	---	0.006	0.002	0.001	0.001	0.002	0.002B	---	9
10	---	---	0.001B	0.171B	---	0.006	0.002	0.001	0.001	0.001	0.002B	---	10
11	---	---	0.001B	0.137B	---	0.005	0.002	0.001	0.001	0.002	0.002B	---	11
12	0.006B	---	0.001B	0.102B	0.011	0.005	0.002	0.001	0.001	0.002	0.002B	---	12
13	---	---	0.001B	0.073B	0.014	0.006	0.002	0.001	0.001	0.001	0.002B	---	13
14	---	---	0.001B	0.061B	0.017	0.005	0.002	0.001	0.001	0.003	0.002B	0B	14
15	---	---	0.001B	0.065B	0.023	0.004	0.002	0.001	0.001	0.001	0.002B	---	15
16	---	0.002B	0.002B	0.084B	0.030	0.004	0.002	0.001	0.001	0.001	0.002B	---	16
17	---	---	0.003B	0.093B	0.037	0.004	0.002	0.001	0.001	0.001	---	---	17
18	---	---	0.003B	0.112B	0.045	0.004	0.001	0.001	0	0.001	---	---	18
19	0.002B	---	0.003B	0.178E	0.049	0.003	0.001	0.001	0.001	0.001	---	---	19
20	---	0.002B	0.003B	0.261E	0.042	0.003	0.001	0.001	0.001	0.001	---	---	20
21	---	---	0.003B	0.351E	0.035	0.003	0.020	0.002	0.001	0.001	---	---	21
22	---	---	0.002B	0.281	0.029	0.003	0.020	0.002	0.001	0.001	---	---	22
23	---	0.002B	0.002B	0.201	0.025	0.002	0.048	0.002	0.001	0.002	0.001B	---	23
24	---	---	0.002B	0.254	0.022	0.002	0.032	0.001	0.001	0.002	---	---	24
25	---	---	0.002B	0.255	0.017	0.002	0.017	0.001	0.001	0.002	---	---	25
26	0.002B	---	0.002B	0.215	0.017	0.002	0.017	0.001	0.001	0.002	---	---	26
27	---	---	0.003B	0.175	0.018	0.002	0.015	0.001	0.001	0.001	---	---	27
28	---	---	0.004B	0.150	0.019	0.002	0.006	0.001	0.001	0.001	---	---	28
29	---		0.007B	0.137	0.019	0.002	0.008	0.001	0.001	0.001	---	---	29
30	---		0.011B	0.113	0.020	0.002	0.005	0.001	0.001	0.002	---	---	30
31	---		0.017B		0.020		0.005	0.001		0.002		---	31
TOTAL	---	---	---	4.308	---	0.187	0.224	0.040	0.093	0.049	---	---	TOTAL
MEAN	---	---	---	0.144	---	0.006	0.007	0.001	0.003	0.002	---	---	MEAN
MAX	---	---	---	0.351	---	0.023	0.048	0.003	0.055	0.003	---	---	MAX
MIN	---	---	---	0.021	---	0.002	0.001	0.001	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
3.40 AT 13:50 MDT ON MAY 6

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 05 N
LONG 117 46 35 W
DRAINAGE AREA, 18.6 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	19.4
FEB	---	AUG	3.46
MAR	---	SEP	8.04
APR	372	OCT	4.23
MAY	---	NOV	---
JUN	16.2	DEC	---

ROLLING HILLS CANAL NO.1 SPILL - STATION NO. 05BN015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.974	0.082	0.952	1.99	0.422	0.743	0	---	1
2	---	---	---	---	0.905	0.364	1.11	2.02	0.517	0.821	0	---	2
3	---	---	---	---	0.879	0.289	1.13	1.40	0.709	0.861	0	---	3
4	---	---	---	---	0.676	0.186	1.57	1.26	0.848	0.875	0	---	4
5	---	---	---	---	1.49	0.178	1.71	1.36	0.631	0.818	0A	---	5
6	---	---	---	---	1.23	0.120	1.57	1.41	0.676	0.548	---	---	6
7	---	---	---	---	1.52	0.135	0.704	1.44	0.618	0.437	---	---	7
8	---	---	---	---	1.59	0.200	0.962	1.13	0.601	0.254	---	---	8
9	---	---	---	---	1.57	0.325	0.781	1.20	0.537	0.239	---	---	9
10	---	---	---	---	1.62	1.22	0.632	1.33	0.406	0.130	---	---	10
11	---	---	---	---	1.73	1.01	0.779	1.64	0.377	0.363	---	---	11
12	---	---	---	---	1.73	1.12	0.923	0.962	0.237	0.571	---	---	12
13	---	---	---	---	1.21 A	1.64	0.869	0.749	0.227	0.388	---	---	13
14	---	---	---	---	0.810E	2.30	0.678	0.653	0.221	0.425	---	---	14
15	---	---	---	---	2.18 A	1.78	0.562	0.576	0.174	0.366	---	---	15
16	---	---	---	---	2.35 A	2.27	0.601	0.520	0.051	0.251	---	---	16
17	---	---	---	---	0.628E	1.51	0.911	0.512	0.048	0.035	---	---	17
18	---	---	---	---	0.135E	1.01	1.21	0.542	0.160	0.026	---	---	18
19	---	---	---	---	0.059A	0.925	1.33	0.542	0.273	0	---	---	19
20	---	---	---	---	0.064	0.822	1.54	0.366	0.263	0	---	---	20
21	---	---	---	---	0.093	0.223	0.874	0.341	0.370	0	---	---	21
22	---	---	---	---	1.12	0.489	0.274	0.489	0.504	0	---	---	22
23	---	---	---	---	1.39	0.580	0.077	0.575	0.586	0	---	---	23
24	---	---	---	---	1.32	0.325	0.070	0.622	0.611	0	---	---	24
25	---	---	---	---	0.997	0.455	0.103	0.572	0.561	0	---	---	25
26	---	---	---	---	0.179	0.418	0.880	0.511	0.563	0	---	---	26
27	---	---	---	---	0.398	0.396	1.43	0.510	0.613	0	---	---	27
28	---	---	---	0 A	0.765	0.633	0.894	0.509	0.763	0	---	---	28
29	---		---	0.067	0.969	1.17	1.10	0.563	0.842	0	---	---	29
30	---		---	0.888	0.298	0.925	1.01	0.582	0.647	0	---	---	30
31	---		---		0.095		1.63	0.440		0		---	31
TOTAL	---	---	---	---	30.974	23.100	28.866	27.316	14.056	8.151	---	---	TOTAL
MEAN	---	---	---	---	0.999	0.770	0.931	0.881	0.469	0.263	---	---	MEAN
MAX	---	---	---	---	2.35	2.30	1.71	2.02	0.848	0.875	---	---	MAX
MIN	---	---	---	---	0.059	0.082	0.070	0.341	0.048	0	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.720
MAXIMUM DAILY, 2.35A ON MAY 16
MINIMUM DAILY, 0 ON OCT 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 00 N
LONG 111 49 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 490
FEB	---	AUG	2 360
MAR	---	SEP	1 210
APR	---	OCT	704
MAY	2 680	NOV	---
JUN	2 000	DEC	---

TOTAL DISCHARGE, 11 400 dam³

ROLLING HILLS CANAL NO.2 SPILL - STATION NO. 05BN019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.019	0.041E	0.340E	0.785	0.434	0.340	0.003	---	1
2	---	---	---	---	0.253	0.076E	0.550E	0.788	0.417	0.355	0.003	---	2
3	---	---	---	---	0.214	0.064E	0.580E	0.557	0.449	0.399	0.002	---	3
4	---	---	---	---	0.570A	0.054E	0.900E	0.607	0.495	0.438	0 A	---	4
5	---	---	---	---	0.740E	0.051E	1.32 E	0.631	0.374	0.517	---	---	5
6	---	---	---	---	0.550E	0.049E	0.850E	0.560	0.353	0.482	---	---	6
7	---	---	---	---	0.780E	0.055E	0.460E	0.569	0.403	0.323	---	---	7
8	---	---	---	---	0.810E	0.061E	0.620E	0.592	0.456	0.272	---	---	8
9	---	---	---	---	0.830E	0.067A	0.500E	0.628	0.443	0.083	---	---	9
10	---	---	---	---	0.850E	0.211	0.420E	0.529	0.241	0.017	---	---	10
11	---	---	---	---	0.870E	0.471	0.500E	0.365	0.089	0.019	---	---	11
12	---	---	---	---	0.890E	0.653	0.560E	0.385	0.015	0.052	---	---	12
13	---	---	---	---	0.700E	1.04	0.480E	0.295	0.021	0.064	---	---	13
14	---	---	---	---	0.580E	1.63	0.440E	0.249	0.056	0.122	---	---	14
15	---	---	---	---	1.25 E	1.47	0.380E	0.187	0.076	0.192	---	---	15
16	---	---	---	---	0.700E	0.820	0.400E	0.202	0.171	0.227	---	---	16
17	---	---	---	---	0.200E	0.455	0.430E	0.278	0.075	0.223	---	---	17
18	---	---	---	---	0.060E	0.455	0.580E	0.454	0.026	0.080	---	---	18
19	---	---	---	---	0.008A	0.354	1.15 E	0.253	0.217	0.041	---	---	19
20	---	---	---	---	0.002	0.354	0.860E	0.058	0.405	0.019	---	---	20
21	---	---	---	---	0.001	0.298	0.700E	0.298	0.646	0.012	---	---	21
22	---	---	---	---	0.065	0.474	0.074A	0.419	0.332	0.009	---	---	22
23	---	---	---	---	0.101	0.542	0.024E	0.437	0.143	0.008	---	---	23
24	---	---	---	---	0.029	0.405	0.011E	0.394	0.082	0.009	---	---	24
25	---	---	---	---	0.021	0.191	0.040E	0.351	0.087	0.009	---	---	25
26	---	---	---	---	0.081	0.165	0.070E	0.380	0.110	0.008	---	---	26
27	---	---	---	---	0.363	0.087	0.180E	0.528	0.118	0.006	---	---	27
28	---	---	---	0A	1.45 A	0.288	0.659A	0.506	0.114	0.005	---	---	28
29	---		---	0	0.900E	0.302A	0.709	0.503	0.251	0.004	---	---	29
30	---		---	0	0.400E	0.280E	0.250	0.458	0.292	0.002	---	---	30
31	---		---		0.120E		0.612	0.493		0.001		---	31
TOTAL	---	---	---	---	14.407	11.463	15.649	13.739	7.421	4.338	---	---	TOTAL
MEAN	---	---	---	---	0.465	0.382	0.505	0.443	0.247	0.140	---	---	MEAN
MAX	---	---	---	---	1.45	1.63	1.32	0.788	0.646	0.517	---	---	MAX
MIN	---	---	---	---	0.001	0.041	0.011	0.058	0.015	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.364
MAXIMUM DAILY, 1.63 ON JUN 14
MINIMUM DAILY, 0.001 ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 59 N
LONG 111 41 10 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 350
FEB	---	AUG	1 190
MAR	---	SEP	641
APR	---	OCT	375
MAY	1 240	NOV	---
JUN	990	DEC	---

TOTAL DISCHARGE, 5 790 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.180B	0.844	0.084	0.364	0.498	0.180	0.074	0.108	0.066	---	1
2	---	---	0.180B	0.771	0.087	0.339	0.384	0.174	0.072	0.123	0.060A	---	2
3	---	---	0.190B	0.625	0.084	0.321	0.309	0.172	0.074	0.117	---	---	3
4	---	---	0.200B	0.479	0.092	0.298	0.264	0.170	0.076	0.106	---	---	4
5	---	---	0.210B	0.421	0.139	0.280	0.229	0.176	0.076	0.104	---	---	5
6	---	---	0.230B	0.380	0.161	0.276	0.186	0.156	0.081	0.108	---	---	6
7	---	---	0.320B	0.309	0.182	0.256	0.168	0.153	0.073	0.117	---	---	7
8	---	---	0.380B	0.285	0.348	0.244	0.153	0.149	0.069	0.120	---	---	8
9	---	---	0.338B	0.281	0.472	0.237	0.139	0.142	0.068	0.104	---	---	9
10	---	---	0.330B	0.248	0.439	0.234	0.138	0.134	0.067	0.098	---	---	10
11	---	---	0.300B	0.229	0.421	0.239	0.137	0.130	0.065	0.099	---	---	11
12	---	---	0.270B	0.234	0.342	0.242	0.135	0.127	0.071	0.098	---	---	12
13	---	---	0.240B	0.229	0.300	0.446	0.152	0.123	0.065	0.089	---	---	13
14	---	---	0.235	0.216	0.272	5.68	0.145	0.126	0.060	0.095	---	---	14
15	---	---	0.247	0.189	0.294	2.11	0.146	0.128	0.064	0.095	---	---	15
16	---	---	0.251	0.179	4.20	1.05	0.144	0.104	0.067	0.090	---	---	16
17	---	---	0.200B	0.165	2.14	0.909	0.149	0.104	0.068	0.094	---	---	17
18	---	---	0.070B	0.173	1.80	0.948	0.185	0.105	0.068	0.098	---	---	18
19	---	---	0.030B	0.166	2.20	0.908	0.219	0.104	0.072	0.101	---	---	19
20	---	---	0.040B	0.167	2.03	0.813	0.180	0.103	0.075	0.101	---	---	20
21	---	---	0.060B	0.150	1.62	0.712	0.172	0.104	0.079	0.099	---	---	21
22	---	---	0.437	0.138	1.75	0.638	0.174	0.100	0.085	0.080	---	---	22
23	---	0.687A	0.239	0.132	3.01	0.596	0.187	0.093	0.084	0.075	---	---	23
24	---	0.530	0.291	0.126	1.39	0.541	0.262	0.094	0.090	0.078	---	---	24
25	---	0.340B	0.416	0.108	1.25	0.281	0.273	0.090	0.091	0.066	---	---	25
26	---	0.200B	0.622	0.094	0.757	0.124	0.221	0.089	0.100	0.065	---	---	26
27	---	0.170B	0.759	0.094	0.625	0.891	0.228	0.087	0.099	0.063	---	---	27
28	---	0.170B	0.990	0.093	0.554	1.11	0.236	0.082	0.123	0.057	---	---	28
29	---	---	1.02	0.086	0.467	0.858	0.216	0.079	0.120	0.061	---	---	29
30	---	---	0.900	0.081	0.431	0.667	0.203	0.075	0.101	0.065	---	---	30
31	---	---	0.824		0.393		0.196	0.077		0.064		---	31
TOTAL	---	---	10.999	7.692	28.334	22.612	6.428	3.730	2.377	2.838	---	---	TOTAL
MEAN	---	---	0.355	0.256	0.914	0.754	0.207	0.120	0.079	0.092	---	---	MEAN
MAX	---	---	1.02	0.844	4.20	5.68	0.498	0.180	0.123	0.123	---	---	MAX
MIN	---	---	0.030	0.081	0.084	0.124	0.135	0.075	0.060	0.057	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.347
MAXIMUM DAILY, 5.68 ON JUN 14
MINIMUM DAILY, 0.030B ON MAR 19
MAXIMUM INSTANTANEOUS,
9.33 AT 11:05 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 30 N
LONG 113 08 30 W
DRAINAGE AREA, 219 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	555
FEB	---	AUG	322
MAR	950	SEP	205
APR	665	OCT	245
MAY	2 450	NOV	---
JUN	1 950	DEC	---

TOTAL DISCHARGE, 7 340 dam³

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.44	0.211	0.066	0	0.023	0	0	---	---	1
2	---	---	---	1.44	0.204	0.119	0	0.013	0	0	---	---	2
3	---	---	---	1.31	0.196	0.157	0	0	0	0	---	---	3
4	---	---	---	1.13	0.187	0.092	0	0	0	0	---	---	4
5	---	---	---	0.949	0.184	0.081	0	0	0	0	---	---	5
6	---	---	---	0.818	0.179	0.076	0	0	0	0	---	---	6
7	---	---	---	0.758	0.174	0.062	0	0	0	0	---	---	7
8	---	---	---	0.658	0.186	0.059	0	0	0	0	---	---	8
9	---	---	---	0.559	0.195	0.036	0	0	0	0	---	---	9
10	---	---	---	0.500	0.188	0.030	0	0	0	0	---	---	10
11	---	---	---	0.436	0.190	0.027	0	0	0	0	---	---	11
12	---	---	---	0.413	0.183	0.023	0	0	0	0	---	---	12
13	---	---	0.476B	0.370	0.163	0.019	0	0	0	0	---	---	13
14	---	---	1.38 B	0.313	0.167	0.015	0	0	0	0	---	---	14
15	---	---	1.56 B	0.289	0.188	0.012	0	0	0	0	---	---	15
16	---	---	2.21 B	0.307	0.160	0.012	0	0	0	0	---	---	16
17	---	---	2.89 B	0.328	0.161	0.013	0	0	0	0	---	---	17
18	---	---	2.23 B	0.316	0.139	0.014	0	0	0	0	---	---	18
19	---	---	1.51 B	0.324	0.132	0.019	0	0	0	0	---	---	19
20	---	---	0.835B	0.310	0.115	0.042	0	0	0	0	---	---	20
21	---	---	0.736B	0.322	0.104	0.058	0	0	0	0	---	---	21
22	---	---	0.977B	0.315	0.098	0.036	0	0	0	0	---	---	22
23	---	---	1.22 B	0.289	0.090	0.026	0	0	0	0	---	---	23
24	---	---	1.51 B	0.281	0.090	0.017	0	0	0	0	---	---	24
25	---	---	1.21 B	0.320	0.077	0.016	0	0	0	0	---	---	25
26	---	---	1.22 B	0.348	0.066	0.010	0	0	0	0	---	---	26
27	---	---	1.88	0.308	0.058	0.007	0	0	0	0	---	---	27
28	---	---	1.80	0.275	0.049	0.005	0	0	0	0	---	---	28
29	---		1.65	0.258	0.047	0.002	0	0	0	0	---	---	29
30	---		1.63	0.229	0.042	0	0	0	0	0	---	---	30
31	---		1.58		0.049		0	0		0		---	31
TOTAL	---	---	---	15.915	4.272	1.151	0	0.036	0	0	---	---	TOTAL
MEAN	---	---	---	0.531	0.138	0.038	0	0.001	0	0	---	---	MEAN
MAX	---	---	---	1.44	0.211	0.157	0	0.023	0	0	---	---	MAX
MIN	---	---	---	0.229	0.042	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2.89B ON MAR 17
MINIMUM DAILY, 0 ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 04 20 N
LONG 114 54 05 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	3.11
MAR	---	SEP	0
APR	1 380	OCT	0
MAY	369	NOV	---
JUN	99.4	DEC	---

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

RONALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.031	0.526	0.760	0.811	0.401	0.855	0.459	---	1
2	---	---	---	---	0.140	0.778	0.566	0.977	0.376	0.856	0.354	---	2
3	---	---	---	---	0.122	0.729	0.978	0.891	0.404	0.841	0.284	---	3
4	---	---	---	---	0.095	0.737	0.774	0.837	0.416	1.09	0.265A	---	4
5	---	---	---	---	0.090	0.770	1.07	0.726	0.636	1.14	---	---	5
6	---	---	---	---	0.142	0.777	0.849	0.373	0.615	0.861	---	---	6
7	---	---	---	---	0.148	0.615	0.462	0.342	0.653	0.807	---	---	7
8	---	---	---	---	0.416	0.453	0.327	0.384	0.659	0.831	---	---	8
9	---	---	---	---	0.509	0.868	0.306	0.477	0.571	0.800	---	---	9
10	---	---	---	---	0.689	0.767	0.366	0.522	0.491	0.851	---	---	10
11	---	---	---	---	0.611	0.653	0.327	0.565	0.555	0.895	---	---	11
12	---	---	---	---	0.299	0.690	0.353	0.581	0.545	0.879	---	---	12
13	---	---	---	---	0.401	0.880	0.327	0.745	0.546	0.687	---	---	13
14	---	---	---	---	0.373	1.03	0.321	0.833	0.535	0.443	---	---	14
15	---	---	---	---	0.290A	0.704	0.433	1.08	0.463	0.432	---	---	15
16	---	---	---	---	0.440E	1.58	0.821	1.42	0.373	0.537	---	---	16
17	---	---	---	---	0.600E	1.80	0.637	1.40	0.308	0.662	---	---	17
18	---	---	---	---	0.745E	2.72	0.665	0.652	0.507	0.705	---	---	18
19	---	---	---	---	0.703E	2.71	0.848	0.759	0.681	0.808	---	---	19
20	---	---	---	---	0.600A	2.42	0.929	0.773	0.744	0.563	---	---	20
21	---	---	---	---	0.550	2.26	1.13	0.761	0.848	0.528	---	---	21
22	---	---	---	---	0.536	2.05	0.686	0.901	0.925	0.506	---	---	22
23	---	---	---	---	0.465	1.50	0.372	1.15	0.706	0.455	---	---	23
24	---	---	---	---	0.407	0.918	0.339	1.20	0.633	0.294	---	---	24
25	---	---	---	---	0.346	0.547	0.626	0.912	0.795	0.325	---	---	25
26	---	---	---	---	0.393	0.741	0.972	0.801	0.960	0.215	---	---	26
27	---	---	---	0	0.372	1.09	0.822	0.524	1.04	0.945	---	---	27
28	---	---	---	0	0.362	1.02	0.841	0.422	1.09	1.10	---	---	28
29	---		---	0	0.295	0.987	1.32	0.386	0.867	0.808	---	---	29
30	---		---	0	0.283	0.999	0.967	0.503	0.730	0.662	---	---	30
31	---		---		0.361		0.744	0.501		0.551		---	31
TOTAL	---	---	---	---	11.814	34.319	20.938	23.209	19.073	21.932	---	---	TOTAL
MEAN	---	---	---	---	0.381	1.14	0.675	0.749	0.636	0.707	---	---	MEAN
MAX	---	---	---	---	0.745	2.72	1.32	1.42	1.09	1.14	---	---	MAX
MIN	---	---	---	---	0.031	0.453	0.306	0.342	0.308	0.215	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.714
MAXIMUM DAILY, 2.72 ON JUN 18
MINIMUM DAILY, 0.031 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 40 N
LONG 111 35 00 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 810
FEB	---	AUG	2 010
MAR	---	SEP	1 650
APR	---	OCT	1 890
MAY	1 020	NOV	---
JUN	2 970	DEC	---

TOTAL DISCHARGE, 11 400 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.250B	2.64 B	2.17	5.70	0.617	18.6	0.197	0.176	---	---	1
2	---	---	0.252B	2.51 B	2.18	9.05	0.632	11.5	0.200	0.184	---	---	2
3	---	---	0.254B	2.15 B	2.11	7.69	0.545	7.50	0.206	0.197	---	---	3
4	---	---	0.254B	1.81 B	2.26	10.3	0.450	5.11	0.245	0.198	---	---	4
5	---	---	0.254B	1.80 B	2.05	7.35	0.368	4.02	0.229	0.213	---	---	5
6	---	---	0.254B	1.57 B	4.57	4.98	0.315	3.19	0.224	0.202	---	---	6
7	---	---	0.256B	1.97 B	52.7	4.37	0.287	2.52	0.182	0.209	---	---	7
8	---	---	0.260B	2.02 B	64.9	3.62	0.323	2.04	0.209	0.224	---	---	8
9	---	---	0.264B	1.43 B	39.3	3.06	0.347	1.81	0.169	0.242	---	---	9
10	---	---	0.268B	1.16 B	30.2	2.62	0.328	1.71	0.154	0.253	---	---	10
11	---	---	0.272B	0.826B	24.2	2.80	0.281	1.53	0.145	0.268	---	---	11
12	---	---	0.276B	1.48 B	18.3	3.62	0.253	1.05	0.128	0.288	---	---	12
13	---	---	0.343B	0.882B	14.0	3.04	0.218	0.872	0.120	0.292	---	---	13
14	---	---	1.12 B	1.07 B	11.0	2.74	0.360	0.684	0.108	0.298	---	---	14
15	---	---	2.38 B	0.658B	9.33	3.00	4.16	0.652	0.137	0.265	---	---	15
16	---	---	2.05 B	0.653	8.73	2.44	6.45	0.533	0.125	0.233	---	---	16
17	---	---	2.31 B	0.726	8.13	2.97	4.37	0.460	0.090	0.244	---	---	17
18	---	---	1.98 B	0.883	7.05	3.67	3.04	0.403	0.102	0.251	---	---	18
19	---	---	1.62 B	1.03	5.79	3.01	2.09	0.361	0.077	0.245	---	---	19
20	---	---	1.09 B	1.09	5.32	2.21	1.48	0.368	0.102	0.261	---	---	20
21	---	---	0.818B	1.11	4.66	1.93	1.18	0.330	0.087	0.289	---	---	21
22	---	---	0.549B	1.34	3.94	1.91	1.66	0.328	0.079	0.301	---	---	22
23	---	---	0.430B	1.50	3.66	1.78	13.4	0.298	0.110	0.311	---	---	23
24	---	---	0.449B	1.62	3.49	1.59	47.1	0.246	0.132	0.349	---	---	24
25	---	---	0.611B	2.81	2.86	1.38	33.9	0.231	0.167	0.403	---	---	25
26	---	---	0.956B	3.25	2.73	1.52	19.0	0.208	0.178	0.442	---	---	26
27	---	---	1.26 B	2.71	2.65	1.21	11.5	0.181	0.158	0.515A	---	---	27
28	---	---	1.70 B	2.31	2.77	0.980	7.09	0.141	0.167	0.605E	---	---	28
29	---		2.02 B	2.30	2.99	0.964	8.73	0.166	0.169	0.603E	---	---	29
30	---		2.34 B	2.29	2.62	0.784	21.7	0.227	0.172	0.600E	---	---	30
31	---		2.44 E		2.48		31.6	0.228		0.597E		---	31
TOTAL	---	---	29.580	49.598	349.14	102.288	223.774	67.497	4.568	9.758	---	---	TOTAL
MEAN	---	---	0.954	1.65	11.3	3.41	7.22	2.18	0.152	0.315	---	---	MEAN
MAX	---	---	2.44	3.25	64.9	10.3	47.1	18.6	0.245	0.605	---	---	MAX
MIN	---	---	0.250	0.653	2.05	0.784	0.218	0.141	0.077	0.176	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.41
MAXIMUM DAILY, 64.9 ON MAY 8
MINIMUM DAILY, 0.077 ON SEP 19
MAXIMUM INSTANTANEOUS,
71.6 AT 03:15 MST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 48 N
LONG 115 00 36 W
DRAINAGE AREA, 534 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19 300
FEB	---	AUG	5 830
MAR	2 560	SEP	395
APR	4 290	OCT	843
MAY	30 200	NOV	---
JUN	8 840	DEC	---

TOTAL DISCHARGE, 72 300 dam³

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.315B	3.66	0.134	3.06	1.75	2.76	2.01	2.43	0.805E	---	1
2	---	---	0.334B	1.94	0.269	3.05	1.79	2.68	2.17	2.28	0.762E	---	2
3	---	---	0.340B	1.81	0.550	3.05	1.66	2.51	1.57	2.40 E	0.667	---	3
4	---	---	0.345B	0.871	0.853	3.27	2.28	2.46	1.69	2.51	---	---	4
5	---	---	0.351B	0.636	0.770	2.83	2.20	2.27	1.69	1.72	---	---	5
6	---	---	0.361B	0.994	0.715	2.15	2.02	2.27	1.69	2.30	---	---	6
7	---	---	0.371B	0.906	2.68	2.01	2.08	2.14	1.73	2.16	---	---	7
8	---	---	0.380B	0.906	6.42	1.82	1.90	2.05	1.91	1.80	---	---	8
9	---	---	0.385B	0.695	6.41	1.66	1.94	1.74	1.62	1.96	---	---	9
10	---	---	0.390B	0.530	5.98	1.47	1.96	1.88	1.26	2.05	---	---	10
11	---	---	0.400B	0.580	5.83	1.47	1.80	1.65	1.55	1.98	---	---	11
12	---	---	0.425B	0.575	4.33	1.51	1.80	1.35	1.55	1.95 E	---	---	12
13	---	---	0.457B	0.575	4.39	1.40	1.85	1.22	1.38	1.91	---	---	13
14	---	---	0.490B	0.600	4.64	1.67	1.94	1.21	1.26	1.69	---	---	14
15	---	---	0.560B	0.488	6.75	1.77	1.97	1.22	1.09	1.65	---	---	15
16	---	---	0.820B	0.404	6.85	2.10	2.54	1.32	1.28	1.59	---	---	16
17	---	---	0.860B	0.260	3.76	1.86	4.00	1.41	1.43	1.43	---	---	17
18	---	---	0.670B	0.314E	3.78 E	1.72	6.24	1.40	1.50	1.37	---	---	18
19	---	---	0.630B	0.368	3.79	1.73	6.04E	1.43	1.69	1.20	---	---	19
20	---	---	0.759B	0.371	3.58	1.80	5.84	1.42	2.01	1.19	---	---	20
21	---	---	0.850B	0.450	3.33	1.59	4.26	1.41E	2.12	1.11 E	---	---	21
22	---	---	0.910B	0.413	3.34	1.46	3.22	1.41	1.73	1.04	---	---	22
23	---	---	0.960B	0.450	3.18	1.38	4.31	1.47	2.17	1.00 E	---	---	23
24	---	---	0.970B	0.346	2.72	1.38	3.62	1.39	2.23	0.965	---	---	24
25	---	0.285B	0.920B	0.379	2.64	0.841	3.62	1.30	2.19	0.965E	---	---	25
26	---	0.290B	1.02 B	0.263	2.20	0.847	3.58E	1.42	1.73	0.965	---	---	26
27	---	0.295B	1.12 B	0.117	2.07	0.780	3.55	1.28	2.12	0.900	---	---	27
28	---	0.300B	1.30 B	0.092	2.15	1.21 E	3.37	1.28	2.10	0.900	---	---	28
29	---		1.56 B	0.510	2.76	1.65	3.01	1.38	2.10	0.900	---	---	29
30	---		1.82 B	0.206	2.62	1.75	2.85	1.59E	2.12	0.882	---	---	30
31	---		3.06		1.75		2.82	1.80E		0.847		---	31
TOTAL	---	---	24.133	20.709	101.241	54.288	91.81	52.12	52.69	48.044	---	---	TOTAL
MEAN	---	---	0.778	0.690	3.27	1.81	2.96	1.68	1.76	1.55	---	---	MEAN
MAX	---	---	3.06	3.66	6.85	3.27	6.24	2.76	2.23	2.51	---	---	MAX
MIN	---	---	0.315	0.092	0.134	0.780	1.66	1.21	1.09	0.847	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.82
MAXIMUM DAILY, 6.85 ON MAY 16
MINIMUM DAILY, 0.092 ON APR 28

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 17 35 N
LONG 113 00 10 W
DRAINAGE AREA, 3 570 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 930
FEB	---	AUG	4 500
MAR	2 090	SEP	4 550
APR	1 790	OCT	4 150
MAY	8 750	NOV	---
JUN	4 690	DEC	---

TOTAL DISCHARGE, 38 500 dam³

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.006B	0.149	0.110	0.268	0.036	0.273	0	0	0.006	---	1
2	---	---	0.021B	0.259	0.155	0.320	0.033	0.398	0.003	0	0.007A	---	2
3	---	---	0.044B	0.302	0.167	0.236	0.019	0.344	0.002	0	---	---	3
4	---	---	0.038B	0.217	0.167	0.235	0.012	0.335	0.001	0	---	---	4
5	---	---	0.028B	0.192	0.179	0.225	0.007	0.343	0.001	0	---	---	5
6	---	---	0.026B	0.175	0.361	0.258	0.004	0.278	0.001	0	---	---	6
7	---	---	0.038B	0.145	0.696	0.268	0.004	0.190	0	0	---	---	7
8	---	---	0.060B	0.127	1.21	0.215	0.003	0.145	0	0	---	---	8
9	---	---	0.078B	0.111	1.71	0.179	0.003	0.110	0	0	---	---	9
10	---	---	0.084B	0.101	2.50	0.150	0.001	0.089	0	0	---	---	10
11	---	---	0.082B	0.095	2.05	0.146	0.002	0.072	0	0.002	---	---	11
12	---	---	0.074B	0.088	1.54	0.141	0.002	0.064	0	0.002	---	---	12
13	---	---	0.080B	0.088	1.19	0.124	0.001	0.056	0	0.002	---	---	13
14	---	---	0.120B	0.089	0.939	0.216	0.006	0.046	0	0.002	---	---	14
15	---	---	0.152B	0.077	0.811	0.145	0.101	0.041	0	0.001	---	---	15
16	---	---	0.172B	0.075	0.760	0.143	0.152	0.034	0	0.001	---	---	16
17	---	---	0.182B	0.068	0.667	0.136	0.327	0.030	0	0	---	---	17
18	---	---	0.186B	0.067	0.639	0.117	1.37	0.031	0	0	---	---	18
19	---	---	0.178B	0.066	0.606	0.110	1.68	0.027	0	0	---	---	19
20	---	---	0.176B	0.061	0.587	0.098	1.55	0.021	0	0	---	---	20
21	---	---	0.178B	0.056	0.618	0.089	1.37	0.016	0	0	---	---	21
22	---	---	0.186B	0.055	0.612	0.093	0.991	0.013	0	0	---	---	22
23	---	---	0.184B	0.053	0.552	0.079	0.715	0.010	0.002	0	---	---	23
24	---	---	0.168B	0.049	0.461	0.072	0.515	0.007	0.003	0.001	---	---	24
25	---	0B	0.158B	0.044	0.403	0.058	0.410	0.004	0.002	0.004	---	---	25
26	---	0B	0.166B	0.044	0.348	0.047	0.337	0.003	0.002	0.007	---	---	26
27	---	0B	0.170B	0.041	0.296	0.045	0.291	0.001	0.001	0.009	---	---	27
28	---	0B	0.166B	0.048	0.242	0.053	0.310	0	0.001	0.008	---	---	28
29	---		0.146B	0.046	0.207	0.052	0.244	0	0.001	0.005	---	---	29
30	---		0.170B	0.043	0.178	0.040	0.195	0	0	0.004	---	---	30
31	---		0.118B		0.192		0.171	0		0.005		---	31
TOTAL	---	---	3.635	3.031	21.153	4.358	10.862	2.981	0.020	0.053	---	---	TOTAL
MEAN	---	---	0.117	0.101	0.682	0.145	0.350	0.096	0.001	0.002	---	---	MEAN
MAX	---	---	0.186	0.302	2.50	0.320	1.68	0.398	0.003	0.009	---	---	MAX
MIN	---	---	0.006	0.041	0.110	0.040	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.188
MAXIMUM DAILY, 2.50 ON MAY 10
MINIMUM DAILY, 0 ON AUG 28
MAXIMUM INSTANTANEOUS,
2.92 AT 05:50 MST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 113 43 35 W
DRAINAGE AREA, 754 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	938
FEB	---	AUG	258
MAR	314	SEP	1.73
APR	262	OCT	4.58
MAY	1 830	NOV	---
JUN	377	DEC	---

TOTAL DISCHARGE, 3 990 dam³

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0B	0B	0	0	0	0	0	0	0	---	1
2	---	0B	0B	0B	0	0	0	0	0	0	0A	---	2
3	---	0B	0B	0B	0	0	0	0	0	0	---	---	3
4	---	0B	0B	0B	0	0	0	0	0	0	---	---	4
5	---	0B	0B	0B	0	0	0	0	0	0	---	---	5
6	---	0B	0B	0B	0	0	0	0	0	0	---	---	6
7	---	0B	0B	0B	0	0	0.001	0	0	0	---	---	7
8	---	0B	0B	0B	0	0	0	0	0	0	---	---	8
9	---	0B	0B	0	0	0	0	0	0	0	---	---	9
10	---	0B	0B	0	0	0	0	0	0	0	---	---	10
11	---	0B	0B	0	0	0	0	0	0	0.002	---	---	11
12	---	0B	0B	0	0	0	0.001	0	0	0.006	---	---	12
13	---	0B	0B	0	0	0.003	0.003	0	0	0.091	---	---	13
14	---	0B	0B	0	0	0.006	0	0	0	0.754	---	---	14
15	---	0B	0B	0	0	0	0	0	0	0.746	---	---	15
16	---	0B	0B	0	0	0	0	0	0	0.752	---	---	16
17	---	0B	0B	0	0	0	0	0	0	0.748	---	---	17
18	---	0B	0B	0	0	0	0	0	0	0.750	---	---	18
19	---	0B	0B	0	0	0	0	0	0	0.428	---	---	19
20	---	0B	0B	0	0	0	0	0	0	0.001	---	---	20
21	---	0B	0B	0	0	0	0	0	0	0	---	---	21
22	---	0B	0B	0	0	0	0	0	0	0	---	---	22
23	---	0B	0B	0	0	0	0	0	0	0	---	---	23
24	---	0B	0B	0	0	0	0.002	0	0	0	---	---	24
25	---	0B	0B	0	0	0	0	0	0	0	---	---	25
26	---	0B	0B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	0	0	0	0	0.009	0.007	0	0	0.278	---	---	TOTAL
MEAN	---	0	0	0	0	0	0	0	0	0.138	---	---	MEAN
MAX	---	0	0	0	0	0.006	0.003	0	0	0.754	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.754 ON OCT 14
MINIMUM DAILY, 0B ON FEB 1
MAXIMUM INSTANTANEOUS,
2.48 AT 12:30 MST ON OCT 13

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 40 N
LONG 110 17 33 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.60
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	370
MAY	0	NOV	---
JUN	0.78	DEC	---

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0E	0	0E	---	1
2	---	---	0	0	0	0	0	0	0E	0	0E	---	2
3	---	---	0	0	0	0	0	0	0E	0	0A	---	3
4	---	---	0	0	0	0	0	0	0E	0	---	---	4
5	---	---	0	0	0	0	0	0	0E	0	---	---	5
6	---	---	0	0	0	0	0	0	0E	0	---	---	6
7	---	---	0	0	0	0	0A	0	0E	0	---	---	7
8	---	---	0	0	0	0	0E	0	0E	0	---	---	8
9	---	---	0	0	0	0	0E	0	0E	0	---	---	9
10	---	---	0	0	0	0	0E	0	0E	0	---	---	10
11	---	---	0	0	0	0	0E	0	0E	0	---	---	11
12	---	---	0	0	0	0	0E	0	0E	0	---	---	12
13	---	---	0	0	0	0	0E	0	0E	0	---	---	13
14	---	---	0	0	0	0	0E	0	0E	0	---	---	14
15	---	---	0	0	0	0	0E	0	0E	0A	---	---	15
16	---	---	0	0	0	0	0E	0	0E	0E	---	---	16
17	---	---	0	0	0	0	0E	0	0E	0E	---	---	17
18	---	0A	0	0	0	0	0E	0	0E	0E	---	---	18
19	---	0	0	0	0	0	0E	0	0E	0E	---	---	19
20	---	0	0	0	0	0	0A	0	0E	0E	---	---	20
21	---	0	0	0	0	0	0	0	0E	0E	---	---	21
22	---	0	0	0	0	0	0	0A	0E	0E	---	---	22
23	---	0	0	0	0	0	0	0E	0E	0E	---	---	23
24	---	0	0	0	0	0	0	0E	0E	0E	---	---	24
25	---	0	0	0	0	0	0	0E	0E	0E	---	---	25
26	---	0	0	0	0	0	0	0E	0E	0E	---	---	26
27	---	0	0	0	0	0	0	0E	0E	0E	---	---	27
28	---	0	0	0	0	0	0	0E	0E	0E	---	---	28
29	---		0	0	0	0	0	0E	0E	0E	---	---	29
30	---		0	0	0	0	0	0E	0A	0E	---	---	30
31	---		0		0		0	0E		0E		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 15 N
LONG 110 20 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 E	0	0	0	0	0	0	0	0	0	---	1
2	---	0 E	0	0	0	0	0	0	0	0	0	---	2
3	---	0 E	0	0	0	0	0	0	0	0	0A	---	3
4	---	0 E	0	0	0	0	0	0	0	0	---	---	4
5	---	0 E	0	0	0	0	0	0	0	0	---	---	5
6	---	0 E	0	0	0	0	0	0	0	0	---	---	6
7	---	0 E	0	0	0	0	0	0	0	0	---	---	7
8	---	0 E	0	0	0	0	0	0	0	0	---	---	8
9	---	0 E	0	0	0	0	0	0	0	0	---	---	9
10	---	0 E	0	0	0	0	0	0	0	0	---	---	10
11	---	0 E	0	0	0	0	0	0	0	0	---	---	11
12	---	0 E	0	0	0	0	0	0	0	0	---	---	12
13	---	0 E	0	0	0	0	0	0	0	0	---	---	13
14	---	0 E	0	0	0	0.124	0	0	0	0	---	---	14
15	---	0.150E	0	0	0	0.915	0	0	0	0	---	---	15
16	---	0.410E	0	0	0	0.710	0	0	0	0	---	---	16
17	---	0.715E	0	0	0	0.383	0	0	0	0	---	---	17
18	---	1.07 A	0	0	0	0.248	0	0	0	0	---	---	18
19	---	0.497	0	0	0	0.148	0	0	0	0	---	---	19
20	---	0.446	0	0	0	0.071	0	0	0	0	---	---	20
21	---	0.257	0	0	0	0.016	0	0	0	0	---	---	21
22	---	0.161	0	0	0	0.007	0	0	0	0	---	---	22
23	---	0.107	0	0	0	0.013	0	0	0	0	---	---	23
24	---	0.036B	0	0	0	0.002	0	0	0	0	---	---	24
25	---	0.023B	0	0	0	0	0	0	0	0	---	---	25
26	---	0.034	0	0	0	0	0	0	0	0	---	---	26
27	---	0.018	0	0	0	0	0	0	0	0	---	---	27
28	---	0.001	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	3.925	0	0	0	2.637	0	0	0	0	---	---	TOTAL
MEAN	---	0.140	0	0	0	0.088	0	0	0	0	---	---	MEAN
MAX	---	1.07	0	0	0	0.915	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.915 ON JUN 15
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.38 AT 20:00 MST ON JUN 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 17 N
LONG 110 20 08 W
DRAINAGE AREA, 624 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	339	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	228	DEC	---

TOTAL DISCHARGE, 228 dam³

REMARKS - THE MAXIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

SADDLE RIVER NEAR WOKING - STATION NO. 07FD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	1.41 B	6.17	3.92	0.016	0.003	0	0	---	---	1
2	---	---	0.017B	1.01 B	5.88	3.55	0.013	0.003	0	0	---	---	2
3	---	---	0.024B	1.13 B	4.74	2.48	0.011	0.002	0	0	---	---	3
4	---	---	0.091B	1.12 B	3.90	1.73	0.008	0.002	0	0	---	---	4
5	---	---	0.177B	0.824B	3.20	1.25	0.007	0.001	0	0	---	---	5
6	---	---	0.078B	0.825B	2.74	0.917	0.005	0	0	0	---	---	6
7	---	---	0.057B	1.06 B	2.86	0.776	0.005	0	0	0	---	---	7
8	---	---	0.027B	1.05 B	2.42	0.711	0.005	0	0	0	---	---	8
9	---	---	0.015B	0.776B	2.31	0.560	0.003	0	0	0	---	---	9
10	---	---	0.029B	1.06 B	3.05	0.469	0.004	0	0	0	---	---	10
11	---	---	0.833B	0.846B	3.04	0.363	0.004	0	0	0	---	---	11
12	---	---	2.48 B	0.470B	2.34	0.363	0.003	0	0	0	---	---	12
13	---	---	2.78 B	0.396B	2.16	0.287	0.004	0	0	0	---	---	13
14	---	---	3.25 B	0.248B	1.98	0.292	0.004	0	0	0	---	---	14
15	---	---	3.85 B	0.179B	2.08	0.287	0.003	0	0	0	---	---	15
16	---	---	4.09 B	0.229B	2.10	0.294	0.003	0	0	0	---	---	16
17	---	---	2.70 B	0.149B	1.84	0.508	0.003	0	0	0	---	---	17
18	---	---	1.81 B	0.324	1.75	0.431	0.002	0	0	0	---	---	18
19	---	---	0.952B	0.502	1.69	0.344	0.001	0	0	0	---	---	19
20	---	---	0.577B	1.74	1.60	0.464	0.002	0	0	0	---	---	20
21	---	---	0.340B	2.78	1.68	0.377	0.004	0	0	0	---	---	21
22	---	---	0.320B	3.17	1.62	0.371	0.003	0	0	0	---	---	22
23	---	---	0.300B	3.39	1.36	0.287	0.185	0	0	0	---	---	23
24	---	---	0.256B	5.48	1.27	0.276	0.167	0	0	0	---	---	24
25	---	---	0.138B	6.08	1.23	0.189	0.016	0	0	0	---	---	25
26	---	---	0.096B	4.25	1.19	0.116	0.009	0	0	0	---	---	26
27	---	---	0.108B	3.50	1.10	0.131	0.006	0	0	0	---	---	27
28	---	---	0.998B	4.47	1.14	0.136	0.004	0	0	0	---	---	28
29	---		1.46 B	6.14	1.02	0.047	0.004	0	0	0	---	---	29
30	---		1.79 B	6.20	1.02	0.025	0.003	0	0	0	---	---	30
31	---		1.45 B		0.905		0.003	0		0		---	31
TOTAL	---	---	31.103	60.808	71.385	21.951	0.510	0.011	0	0	---	---	TOTAL
MEAN	---	---	1.00	2.03	2.30	0.732	0.016	0	0	0	---	---	MEAN
MAX	---	---	4.09	6.20	6.17	3.92	0.185	0.003	0	0	---	---	MAX
MIN	---	---	0.010	0.149	0.905	0.025	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.758
MAXIMUM DAILY, 6.20 ON APR 30
MINIMUM DAILY, 0 ON AUG 6
MAXIMUM INSTANTANEOUS,
7.31 AT 16:25 MST ON APR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 39 N
LONG 118 41 51 W
DRAINAGE AREA, 539 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	44.1
FEB	---	AUG	0.95
MAR	2 690	SEP	0
APR	5 250	OCT	0
MAY	6 170	NOV	---
JUN	1 900	DEC	---

TOTAL DISCHARGE, 16 100 dam³

SAGE CREEK AT Q RANCH NEAR WILD HORSE - STATION NO. 11AA026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.101B	0	0	0	0	0	0	0	---	---	1
2	---	---	0.064B	0	0	0	0	0	0	0	---	---	2
3	---	---	0.037B	0	0	0	0	0	0	0	---	---	3
4	---	---	0.014B	0	0	0	0	0	0	0	---	---	4
5	---	---	0.009B	0	0	0	0	0	0	0	---	---	5
6	---	---	0.005B	0	0	0	0	0	0	0	---	---	6
7	---	---	0.023B	0	0	0	0	0	0	0	---	---	7
8	---	---	0.083B	0	0	0	0	0	0	0	---	---	8
9	---	---	0.079B	0	0	0	0	0	0	0	---	---	9
10	---	---	0.058B	0	0	0	0	0	0	0	---	---	10
11	---	---	0.017	0	0	0	0	0	0	0	---	---	11
12	---	---	0.012	0	0	0	0	0	0	0	---	---	12
13	---	---	0.005	0	0	0	0	0	0	0	---	---	13
14	---	---	0.002	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0.194	0	0.167	0	0	0	---	---	17
18	---	---	0	0	2.88	0	0.089	0	0	0	---	---	18
19	---	---	0	0	0.662	0	0.023	0	0	0	---	---	19
20	---	---	0	0	0.164	0	0.007	0	0	0	---	---	20
21	---	---	0	0	0.060	0	0.001	0	0	0	---	---	21
22	---	---	0	0	0.025	0	0	0	0	0	---	---	22
23	---	---	0	0	0.012	0	0	0	0	0	---	---	23
24	---	---	0	0	0.006	0	0	0	0	0	---	---	24
25	---	---	0	0	0.002	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	0.207B	0	0	0	0	0	0	0	0	---	---	27
28	---	0.181B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.509	0	4.005	0	0.287	0	0	0	---	---	TOTAL
MEAN	---	---	0.016	0	0.129	0	0.009	0	0	0	---	---	MEAN
MAX	---	---	0.101	0	2.88	0	0.167	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.020
MAXIMUM DAILY, 2.88 ON MAY 18
MINIMUM DAILY, 0 ON MAR 15
MAXIMUM INSTANTANEOUS,
3.71 AT 06:35 MST ON MAY 18

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 29 N
LONG 110 13 23 W
DRAINAGE AREA, 456 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24.8
FEB	---	AUG	0
MAR	44.0	SEP	0
APR	0	OCT	0
MAY	346	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 415 dam³

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.088	0.001	0	0.001	0	0	0	0	---	---	1
2	---	---	0.079	0.001	0	0.001	0	0	0	0	---	---	2
3	---	---	0.058	0.011	0	0.001	0	0	0	0	---	---	3
4	---	---	0.038	0.007	0	0.001	0	0	0	0	---	---	4
5	---	---	0.036	0.009	0	0	0	0	0	0	---	---	5
6	---	---	0.067	0.004	0	0	0	0	0	0	---	---	6
7	---	---	0.019	0.013	0	0	0	0	0	0	---	---	7
8	---	---	0.027	0.023	0	0	0	0	0	0	---	---	8
9	---	---	0.027	0.014	0	0	0	0	0	0	---	---	9
10	---	---	0.008	0.002	0	0	0	0	0	0	---	---	10
11	---	---	0.017	0.007	0	0	0	0	0	0	---	---	11
12	---	---	0.025	0.010	0	0	0	0	0	0	---	---	12
13	---	---	0.023	0.004	0	0	0	0	0	0	---	---	13
14	---	---	0.021	0	0	0	0	0	0	0	---	---	14
15	---	---	0.017	0	0	0	0	0	0	0	---	---	15
16	---	---	0.013	0	0	0	0	0	0	0	---	---	16
17	---	---	0.009	0	0	0	0	0	0	0	---	---	17
18	---	---	0.004	0	0	0	0	0	0	0	---	---	18
19	---	---	0.001	0	1.09	0	0	0	0	0	---	---	19
20	---	---	0.001	0	0.905	0	0	0	0	0	---	---	20
21	---	---	0	0	0.247	0	0	0	0	0	---	---	21
22	---	---	0	0	0.084	0	0	0	0	0	---	---	22
23	---	---	0	0	0.031	0	0	0	0	0	---	---	23
24	---	---	0	0	0.016	0	0	0	0	0	---	---	24
25	---	---	0	0	0.011	0	0	0	0	0	---	---	25
26	---	---	0	0	0.007	0	0	0	0	0	---	---	26
27	---	0.141	0	0	0.004	0	0	0	0	0	---	---	27
28	---	0.141	0	0	0.004	0	0	0	0	0	---	---	28
29	---		0	0	0.004	0	0	0	0	0	---	---	29
30	---		0.002	0	0.003	0	0	0	0	0	---	---	30
31	---		0		0.002		0	0		0		---	31
TOTAL	---	---	0.580	0.106	2.408	0.004	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.019	0.004	0.078	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.088	0.023	1.09	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 1.09 ON MAY 19
MINIMUM DAILY, 0 ON MAR 21
MAXIMUM INSTANTANEOUS,
1.37 AT 19:00 MDT ON MAY 19

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 10 N
LONG 110 11 30 W
DRAINAGE AREA, 591 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	50.1	SEP	0
APR	9.16	OCT	0
MAY	208	NOV	---
JUN	0.35	DEC	---

TOTAL DISCHARGE, 268 dam³

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.772B	1.84B	15.3	43.3	2.71	6.84	1.06	1.05	---	---	1
2	---	---	0.775B	2.39B	14.7	37.6	2.59	7.61	1.16	0.962	---	---	2
3	---	---	0.777B	3.17B	14.0	25.8	2.49	6.25	1.10	0.876	---	---	3
4	---	---	0.878B	3.57B	12.4	19.5	2.14	4.86	1.05	0.909	---	---	4
5	---	---	0.989B	3.57B	11.1	14.8	1.91	3.87	0.879	1.05	---	---	5
6	---	---	0.933B	3.43B	10.1	11.9	1.70	3.15	0.896	0.864	---	---	6
7	---	---	0.943B	3.39B	9.64	12.3	1.71	2.60	0.857	0.874	---	---	7
8	---	---	0.846B	3.58B	10.1	11.7	1.75	2.20	0.803	1.04	---	---	8
9	---	---	0.880B	3.30B	10.3	9.71	1.71	1.87	0.719	1.03	---	---	9
10	---	---	1.02 B	2.96B	10.1	8.46	1.58	1.53	0.590	1.38	---	---	10
11	---	---	1.04 B	2.79B	9.82	7.90	1.37	1.30	0.452	1.26	---	---	11
12	---	---	1.02 B	2.54B	8.60	8.97	1.21	1.23	0.390	1.25	---	---	12
13	---	---	0.895B	2.34B	8.01	8.96	1.13	1.23	0.388	1.16	---	---	13
14	---	---	0.803B	2.35B	7.56	8.93	1.19	0.993	0.364	1.10	---	---	14
15	---	---	0.713B	2.23B	7.43	8.50	1.26	0.873	0.368	1.04	---	---	15
16	---	---	0.724B	2.29B	7.18	7.42	2.05	0.791	0.384	1.09	---	---	16
17	---	---	0.800B	3.52B	6.88	6.84	2.37	0.742	0.410	1.19	---	---	17
18	---	---	0.916B	5.96B	6.71	6.68	2.00	0.679	0.430	1.34	---	---	18
19	---	---	1.05 B	7.69B	6.68	6.50	1.61	0.597	0.453	1.24	---	---	19
20	---	---	1.05 B	8.60B	6.59	6.38	1.32	0.550	0.718	1.16	---	---	20
21	---	---	1.18 B	11.6 B	7.02	6.28	3.52	0.531	0.558	1.06	---	---	21
22	---	---	1.22 B	14.2 B	10.3	5.73	6.90	0.511	0.627	1.04	---	---	22
23	---	---	1.25 B	15.2 B	11.5	5.23	18.8	0.525	0.974	0.947	---	---	23
24	---	---	1.10 B	17.8 B	11.5	4.90	17.3	0.507	1.03	0.908	---	---	24
25	---	---	0.878B	26.0 B	10.3	4.54	12.6	0.475	1.08	1.06	---	---	25
26	---	---	1.20 B	23.3	9.06	4.05	9.10	0.449	1.26	1.11	---	---	26
27	---	---	1.18 B	16.9	8.81	3.58	6.96	0.399	1.65	1.19	---	---	27
28	---	---	1.19 B	16.1	9.48	3.20	5.60	0.358	1.40	1.24	---	---	28
29	---		1.56 B	15.5	9.66	3.00	5.13	0.478	1.30	1.21 A	---	---	29
30	---		1.87 B	15.0	9.07	2.90	6.33	0.714	1.16	1.18 E	---	---	30
31	---		1.62 B		11.6		7.68	0.851		1.16 E		---	31
TOTAL	---	---	32.072	243.11	301.50	315.56	135.72	55.563	24.510	33.970	---	---	TOTAL
MEAN	---	---	1.03	8.10	9.73	10.5	4.38	1.79	0.817	1.10	---	---	MEAN
MAX	---	---	1.87	26.0	15.3	43.3	18.8	7.61	1.65	1.38	---	---	MAX
MIN	---	---	0.713	1.84	6.59	2.90	1.13	0.358	0.364	0.864	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.66
MAXIMUM DAILY, 43.3 ON JUN 1
MINIMUM DAILY, 0.358 ON AUG 28
MAXIMUM INSTANTANEOUS,
50.1 AT 15:00 MST ON JUN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 11 40 N
LONG 115 46 45 W
DRAINAGE AREA, 1 140 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11 700
FEB	---	AUG	4 800
MAR	2 770	SEP	2 120
APR	21 000	OCT	2 940
MAY	26 000	NOV	---
JUN	27 300	DEC	---

TOTAL DISCHARGE, 98 600 dam³

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.30B	4.50B	12.4	4.14	15.1	12.2	3.15	2.38	---	---	1
2	---	---	2.30B	5.08B	12.1	3.95	14.1	11.1	3.12	2.42	---	---	2
3	---	---	2.31B	5.73B	11.5	3.82	13.3	10.1	3.08	2.38	---	---	3
4	---	---	2.31B	6.36B	11.1	3.72	12.4	9.34	3.12	2.32	---	---	4
5	---	---	2.31B	7.40B	10.8	3.49	11.3	8.68	3.17	2.36	---	---	5
6	---	---	2.34B	8.26B	10.6	3.50	10.6	8.11	3.11	2.34	---	---	6
7	---	---	2.34B	9.16B	10.3	3.60	9.92	7.64	3.19	2.33	---	---	7
8	---	---	2.36B	10.1 B	9.91	3.46	12.1	7.13	3.23	2.39	---	---	8
9	---	---	2.36B	11.1 B	9.56	3.55	21.1	6.66	3.23	2.44	---	---	9
10	---	---	2.38B	11.5 B	9.04	3.65	27.9	6.17	3.17	2.49	---	---	10
11	---	---	2.40B	12.1 B	8.57	3.63	30.9	5.86	3.05	2.53	---	---	11
12	---	---	2.43B	12.7 B	8.26	3.66	33.6	5.50	2.91	2.51	---	---	12
13	---	---	2.48B	12.8 B	7.80	3.66	34.5	5.16	2.83	2.50	---	---	13
14	---	---	2.55B	13.0 B	7.35	3.57	34.8	4.84	2.67	2.45	---	---	14
15	---	---	2.65B	12.9 B	6.99	3.54	33.8	4.56	2.62	2.47	---	---	15
16	---	---	2.75B	12.5 B	6.68	3.74	31.4	4.31	2.56	2.51	---	---	16
17	---	---	2.95B	12.2 B	6.55	4.02	29.3	4.12	2.52	2.57	---	---	17
18	---	---	3.20B	11.7 B	7.35	4.08	27.1	3.94	2.49	2.61	---	---	18
19	---	---	3.10B	11.5 B	7.47	4.37	25.0	3.72	2.43	2.59	---	---	19
20	---	---	3.00B	11.4	6.85	4.60	23.0	3.49	2.40	2.53	---	---	20
21	---	---	2.95B	11.6	6.33	5.71	21.3	3.38	2.41	2.54	---	---	21
22	---	---	2.90B	11.4	5.92	6.90	22.3	3.90	2.38	2.41B	---	---	22
23	---	---	2.88B	11.1	5.61	9.17	23.6	3.92	2.38	2.02B	---	---	23
24	---	---	2.86B	10.8	5.35	11.6	22.8	3.47	2.48	2.16B	---	---	24
25	---	---	2.85B	10.7	5.26	13.5	21.5	3.30	2.50	2.11B	---	---	25
26	---	---	2.91B	10.8	4.96	15.1	20.1	3.20	2.42	2.00B	---	---	26
27	---	---	3.21B	11.2	4.87	16.2	18.3	3.01	2.37	1.90B	---	---	27
28	---	---	3.67B	11.9	4.66	16.4	16.7	2.88	2.36	1.78B	---	---	28
29	---		3.95B	12.1	4.43	16.0	15.1	2.79	2.37	1.70B	---	---	29
30	---		3.99B	12.3	4.21	15.8	13.8	3.02	2.37	1.60B	---	---	30
31	---		4.06B		4.24		13.3	3.09		1.50B		---	31
TOTAL	---	---	87.05	315.89	237.02	202.13	660.02	168.59	82.09	70.84	---	---	TOTAL
MEAN	---	---	2.81	10.5	7.65	6.74	21.3	5.44	2.74	2.29	---	---	MEAN
MAX	---	---	4.06	13.0	12.4	16.4	34.8	12.2	3.23	2.61	---	---	MAX
MIN	---	---	2.30	4.50	4.21	3.46	9.92	2.79	2.36	1.50	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.44
MAXIMUM DAILY, 34.8 ON JUL 14
MINIMUM DAILY, 1.50B ON OCT 31
MAXIMUM INSTANTANEOUS,
34.9 AT 10:50 MST ON JUL 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 16 N
LONG 111 11 08 W
DRAINAGE AREA, 4 920 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	57 000
FEB	---	AUG	14 600
MAR	7 520	SEP	7 090
APR	27 300	OCT	6 120
MAY	20 500	NOV	---
JUN	17 500	DEC	---

TOTAL DISCHARGE, 158 000 dam³

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.380B	5.52B	18.3	7.25	14.1 A	16.5 E	1.20	0.898	---	---	1
2	---	---	0.360B	8.79B	18.0	9.17	13.8	14.7 E	1.11	0.822	---	---	2
3	---	---	0.335B	10.4 B	18.4	15.0	13.3	13.1 E	1.06	0.781	---	---	3
4	---	---	0.285B	11.6 B	17.8	18.0	12.0	11.4 E	1.05	0.768	---	---	4
5	---	---	0.252B	13.2 B	16.4	25.2	10.7	9.81E	1.00	0.767	---	---	5
6	---	---	0.245B	15.1 B	15.1	27.2	9.69	8.62E	0.955	0.761	---	---	6
7	---	---	0.251B	16.8 B	14.5	22.5	8.94	7.82E	0.933	0.780	---	---	7
8	---	---	0.258B	18.6 B	13.6	18.9	8.95	7.10E	0.909	0.942	---	---	8
9	---	---	0.264B	18.4 B	13.1	17.1	10.4	6.45E	0.780	1.30	---	---	9
10	---	---	0.272B	16.4 B	12.8	15.0	11.7	5.85E	0.722	1.32	---	---	10
11	---	---	0.280B	13.7 B	12.3	13.2	11.4	5.31E	0.612	1.74	---	---	11
12	---	---	0.310B	10.0 B	11.8	12.1	10.7	4.80A	0.574	2.21	---	---	12
13	---	---	0.340B	5.94B	11.7	11.8	9.49	4.29	0.508	2.49	---	---	13
14	---	---	0.380B	6.00B	11.5	11.2	8.83	3.93	0.459	2.48	---	---	14
15	---	---	0.400B	6.88B	10.9	11.1	8.79	3.64	0.420	2.42	---	---	15
16	---	---	0.400B	6.79B	10.4	11.1	8.82	3.46	0.400	2.39	---	---	16
17	---	---	0.380B	6.87B	10.0	10.8	8.55	3.14	0.396	2.34	---	---	17
18	---	---	0.360B	7.86B	9.60	12.6	8.30	2.89	0.362	2.32	---	---	18
19	---	---	0.310B	9.50B	9.31	18.1	7.73	2.63	0.404	2.56	---	---	19
20	---	---	0.290B	10.2 B	10.2	21.3	7.27	2.50	0.427	2.56	---	---	20
21	---	---	0.280B	10.5	11.7	20.8 E	6.88	2.39	0.590	2.50	---	---	21
22	---	---	0.280B	10.7	11.7	20.2 E	8.39A	2.23	0.406	2.09 B	---	---	22
23	---	---	0.310B	12.2	11.2	19.5 E	15.0 E	2.08	0.455	2.20 B	---	---	23
24	---	---	0.360B	14.1	10.4	18.8 E	28.5 E	1.93	0.512	2.01 B	---	---	24
25	---	---	0.400B	15.8	9.83	18.1 E	34.6 E	1.81	0.502	1.87 B	---	---	25
26	---	---	0.500B	17.8	9.16	17.5 E	33.2 E	1.71	0.605	1.81 B	---	---	26
27	---	---	1.00 B	21.5	8.70	16.8 E	30.6 E	1.59	0.947	1.82 B	---	---	27
28	---	---	1.50 B	20.9	8.27	16.1 E	26.8 E	1.46	0.963	1.85 B	---	---	28
29	---		2.00 B	19.4	7.86	15.4 E	23.3 E	1.37	0.813	1.95 B	---	---	29
30	---		2.50 B	18.7	7.41	14.8 E	20.5 E	1.30	0.807	2.00 B	---	---	30
31	---		2.90 B		7.21		18.5 E	1.25		2.10 B		---	31
TOTAL	---	---	18.382	380.15	369.15	486.62	449.73	157.06	20.881	54.849	---	---	TOTAL
MEAN	---	---	0.593	12.7	11.9	16.2	14.5	5.07	0.696	1.77	---	---	MEAN
MAX	---	---	2.90	21.5	18.4	27.2	34.6	16.5	1.20	2.56	---	---	MAX
MIN	---	---	0.245	5.52	7.21	7.25	6.88	1.25	0.362	0.761	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.91
MAXIMUM DAILY, 34.6E ON JUL 25
MINIMUM DAILY, 0.245B ON MAR 6
MAXIMUM INSTANTANEOUS,
34.9 AT 09:00 MST ON JUL 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 09 20 N
LONG 114 14 10 W
DRAINAGE AREA, 2 590 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38 900
FEB	---	AUG	13 600
MAR	1 590	SEP	1 800
APR	32 800	OCT	4 740
MAY	31 900	NOV	---
JUN	42 000	DEC	---

TOTAL DISCHARGE, 167 000 dam³

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.140B	1.18 B	5.11	1.75	0.867	1.02	0.308	0.298	---	---	1
2	---	---	0.150B	1.29 B	5.22	1.72	0.769	0.895	0.275	0.281	---	---	2
3	---	---	0.168B	1.47 B	4.36	2.37	0.689	0.789	0.252	0.279	---	---	3
4	---	---	0.121B	1.23 B	3.57	2.51	0.615	0.691	0.245	0.276	---	---	4
5	---	---	0.101B	1.21 B	3.27	1.93	0.564	0.625	0.261	0.280	---	---	5
6	---	---	0.083B	1.80 B	3.05	1.65	0.551	0.554	0.255	0.275	---	---	6
7	---	---	0.062B	2.02 B	3.01	2.03	0.654	0.495	0.231	0.282	---	---	7
8	---	---	0.063B	1.78 B	2.98	1.71	0.888	0.456	0.209	0.394	---	---	8
9	---	---	0.076B	1.27 B	2.79	1.43	0.716	0.419	0.187	0.767	---	---	9
10	---	---	0.129B	0.868B	2.90	1.32	0.575	0.393	0.170	0.537	---	---	10
11	---	---	0.232B	0.828B	2.55	1.22	0.523	0.366	0.146	0.435	---	---	11
12	---	---	0.437B	0.805B	2.36	1.18	0.532	0.352	0.136	0.399	---	---	12
13	---	---	0.568B	0.727B	2.25	1.32	0.548	0.334	0.132	0.376	---	---	13
14	---	---	0.772B	0.569B	2.22	1.28	0.585	0.327	0.140	0.395	---	---	14
15	---	---	0.836B	0.614B	2.14	1.25	0.590	0.317	0.158	0.469	---	---	15
16	---	---	0.942B	1.20 B	1.98	1.41	0.561	0.297	0.148	0.534	---	---	16
17	---	---	0.904B	1.32 B	1.98	4.61	0.481	0.280	0.133	0.510	---	---	17
18	---	---	0.921B	1.37 B	2.02	4.03	0.424	0.270	0.134	0.448	---	---	18
19	---	---	0.874B	2.20 B	2.16	3.01	0.398	0.259	0.135	0.406	---	---	19
20	---	---	0.792B	3.70 B	2.06	3.10	0.510	0.249	0.550	0.398	---	---	20
21	---	---	0.579B	4.88 B	1.99	3.22	0.982	0.259	0.729	0.398	---	---	21
22	---	---	0.294B	4.88 B	1.86	3.20	5.38	0.246	0.490	0.388	---	---	22
23	---	---	0.232B	5.16 B	1.79	2.67	8.45	0.228	0.412	0.340	---	---	23
24	---	---	0.468B	6.12 B	2.66	2.26	5.88	0.217	0.381	0.397	---	---	24
25	---	---	0.689B	8.72	2.32	1.80	3.73	0.205	0.350	0.354B	---	---	25
26	---	---	0.848B	5.34	2.00	1.45	2.62	0.199	0.337	0.456B	---	---	26
27	---	---	1.03 B	4.11	1.90	1.23	2.47	0.182	0.331	0.577B	---	---	27
28	---	---	1.01 B	4.12	1.72	1.10	2.07	0.165	0.327	0.540B	---	---	28
29	---		1.01 B	4.70	1.63	0.992	1.86	0.169	0.334	0.338B	---	---	29
30	---		1.04 B	4.68	1.50	0.906	1.47	0.235	0.317	0.332B	---	---	30
31	---		1.02 B		1.48		1.19	0.296		0.300B		---	31
TOTAL	---	---	16.591	80.161	78.83	59.658	48.142	11.788	8.213	12.459	---	---	TOTAL
MEAN	---	---	0.535	2.67	2.54	1.99	1.55	0.380	0.274	0.402	---	---	MEAN
MAX	---	---	1.04	8.72	5.22	4.61	8.45	1.02	0.729	0.767	---	---	MAX
MIN	---	---	0.062	0.569	1.48	0.906	0.398	0.165	0.132	0.275	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.29
MAXIMUM DAILY, 8.72 ON APR 25
MINIMUM DAILY, 0.062B ON MAR 7
MAXIMUM INSTANTANEOUS,
13.1 AT 00:30 MST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 17 00 N
LONG 114 46 30 W
DRAINAGE AREA, 234 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 160
FEB	---	AUG	1 020
MAR	1 430	SEP	710
APR	6 930	OCT	1 080
MAY	6 810	NOV	---
JUN	5 150	DEC	---

TOTAL DISCHARGE, 27 300 dam³

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.086	1.72	2.14	1.54	1.41	1.86	0.124	---	1
2	---	---	---	---	0.084	1.89	1.86	1.65	1.27	1.60	0.119	---	2
3	---	---	---	---	0.091	1.77	1.64	1.98	1.40	1.42	0.117A	---	3
4	---	---	---	---	0.095	1.87	1.67	1.79	1.36	1.54	---	---	4
5	---	---	---	---	0.083	1.74	1.63	1.66	1.46	1.63	---	---	5
6	---	---	---	---	0.128	1.56	1.50	1.59	1.60	1.42	---	---	6
7	---	---	---	---	0.162	1.72	1.71	1.49	1.65	1.43	---	---	7
8	---	---	---	---	0.225	1.72	1.77	1.53	1.60	1.41	---	---	8
9	---	---	---	---	0.305	1.75	1.72	1.61	1.45	1.26	---	---	9
10	---	---	---	0.125A	0.275	1.70	1.61	1.76	1.24	1.33	---	---	10
11	---	---	---	0.127	0.264	1.74	1.65	1.75	1.18	1.62	---	---	11
12	---	---	---	0.123	0.299	1.61	1.42	1.73	1.13	1.27	---	---	12
13	---	---	---	0.117	0.669	2.25	1.85	1.51	1.05	1.03	---	---	13
14	---	---	---	0.116	0.780	4.36	2.45	1.19	1.04	0.904	---	---	14
15	---	---	---	0.110	0.871	4.37	1.93	1.46	1.09	0.889	---	---	15
16	---	---	---	0.106	1.49	2.82	1.60	1.33	1.07	0.796	---	---	16
17	---	---	---	0.101	1.93	1.87	1.65	1.47	1.07	0.702	---	---	17
18	---	---	---	0.111	1.89	1.60	1.47	1.39	1.15	0.701	---	---	18
19	---	---	---	0.109	1.55	1.60	1.45	1.37	1.21	0.667	---	---	19
20	---	---	---	0.094	1.54	1.65	1.69	1.70	1.45	0.659	---	---	20
21	---	---	---	0.144	1.68	1.70	1.69	1.71	1.49	0.592	---	---	21
22	---	---	---	0.122	1.55	1.64	1.72	1.84	1.54	0.338	---	---	22
23	---	---	---	0.133	1.47	1.41	1.77	1.95	1.67	0.240	---	---	23
24	---	---	---	0.122	1.27	1.38	2.01	1.89	1.73	0.212	---	---	24
25	---	---	---	0.103	1.26	1.27	2.18	1.50	1.79	0.191	---	---	25
26	---	---	---	0.091	1.50	1.25	1.99	1.29	1.92	0.173	---	---	26
27	---	---	---	0.090	1.38	1.34	1.87	1.24	1.82	0.159	---	---	27
28	---	---	---	0.086	1.30	1.79	1.74	1.26	2.00	0.151	---	---	28
29	---		---	0.085	1.57	2.21	1.39	1.40	1.93	0.140	---	---	29
30	---		---	0.087	1.35	2.07	1.36	1.59	1.95	0.136	---	---	30
31	---		---		1.62		1.39	1.76		0.128		---	31
TOTAL	---	---	---	---	28.767	57.37	53.52	48.93	43.72	26.598	---	---	TOTAL
MEAN	---	---	---	---	0.928	1.91	1.73	1.58	1.46	0.858	---	---	MEAN
MAX	---	---	---	---	1.93	4.37	2.45	1.98	2.00	1.86	---	---	MAX
MIN	---	---	---	---	0.083	1.25	1.36	1.19	1.04	0.128	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.37 ON JUN 15

MAXIMUM INSTANTANEOUS,
5.34 AT 17:10 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 25 N
LONG 110 41 02 W
DRAINAGE AREA, 3 260 km²
A - MANUAL GAUGE

REGULATED SINCE 1955

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 620
FEB	---	AUG	4 230
MAR	---	SEP	3 780
APR	---	OCT	2 300
MAY	2 490	NOV	---
JUN	4 960	DEC	---

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001B	0.001	0.037E	0	0.005	0	0	---	---	1
2	---	---	0 B	0.004B	0	0.028E	0	0.003	0	0	---	---	2
3	---	---	0 B	0.003B	0.001	0.022E	0	0.002	0	0	---	---	3
4	---	---	0 B	0 B	0.001	0.016E	0	0.002	0	0	---	---	4
5	---	---	0 B	0 B	0.004	0.013E	0	0.002	0	0	---	---	5
6	---	---	0 B	0.002B	0.022	0.010E	0	0.002	0	0	---	---	6
7	---	---	0 B	0 B	0.057	0.008E	0	0.001	0	0	---	---	7
8	---	---	0 B	0 B	0.062	0.007E	0	0	0	0	---	---	8
9	---	---	0 B	0 B	0.061	0.006E	0	0	0	0	---	---	9
10	---	---	0 B	0	0.054	0.005E	0	0	0	0	---	---	10
11	---	---	0 B	0	0.041	0.005E	0	0.001	0	0	---	---	11
12	---	---	0 B	0	0.031	0.004E	0	0.011	0	0	---	---	12
13	---	---	0 B	0	0.025	0.011E	0	0.013	0	0	---	---	13
14	---	---	0 B	0	0.022	0.006E	0.001	0.009	0	0	---	---	14
15	---	---	0 B	0	0.020	0.002E	0.006	0.005	0	0	---	---	15
16	---	---	0 B	0	0.025	0	0.022	0.002	0	0	---	---	16
17	---	---	0 B	0	0.027	0	0.032	0	0	0	---	---	17
18	---	---	0 B	0	0.029	0	0.025	0	0	0	---	---	18
19	---	---	0 B	0	0.030	0	0.019	0	0	0	---	---	19
20	---	---	0 B	0	0.031	0	0.014	0	0	0	---	---	20
21	---	---	0 B	0	0.030A	0	0.010	0	0	0	---	---	21
22	---	---	0 B	0	0.027E	0	0.007	0	0	0	---	---	22
23	---	---	0 B	0.001	0.025E	0	0.006	0	0	0	---	---	23
24	---	0B	0 B	0.001	0.023E	0	0.007	0	0	0	---	---	24
25	---	0B	0 B	0.001	0.020E	0	0.007	0	0	0	---	---	25
26	---	0B	0.001B	0.001	0.016E	0	0.007	0	0	0	---	---	26
27	---	0B	0.003B	0.001	0.012E	0	0.005	0	0	0	---	---	27
28	---	0B	0.002B	0.002	0.008E	0	0.002	0	0	0	---	---	28
29	---		0.001B	0.002	0.007E	0	0.004	0	0	0	---	---	29
30	---		0.004B	0.002	0.007E	0	0.008	0	0	0	---	---	30
31	---		0 B		0.015E		0.007	0		0		---	31
TOTAL	---	---	0.011	0.021	0.734	0.180	0.189	0.058	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0.024	0.006	0.006	0.002	0	0	---	---	MEAN
MAX	---	---	0.004	0.004	0.062	0.037	0.032	0.013	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.062 ON MAY 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.062 AT 05:55 MST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 44 N
LONG 114 02 09 W
DRAINAGE AREA, 38.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16.3
FEB	---	AUG	5.01
MAR	0.95	SEP	0
APR	1.81	OCT	0
MAY	63.4	NOV	---
JUN	15.6	DEC	---

TOTAL DISCHARGE, 103 dam³

SHEEP RIVER AT TURNER VALLEY - STATION NO. 05BL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.86	1.09	1.06	1.96	2.85	39.0	19.5	9.58	3.30	2.16	1.80E	1.12 E	1
2	1.67	1.11	1.05	1.72	3.86	36.5	17.4	8.63	3.19	2.28	1.78A	1.12 E	2
3	1.63	1.18	1.10	1.67	2.75	32.1	14.7	8.39	3.06	2.25	1.75E	1.13 E	3
4	1.63	1.23	1.11	1.57	2.57	26.1	16.9	8.73	2.98	2.17	1.72E	1.10 E	4
5	1.58	1.12	1.10	1.69	2.73	22.0	16.4	8.32	2.85	2.10	1.68E	1.12 E	5
6	1.61	1.07	1.08	1.62	3.56	20.2	15.0	7.81	2.74	2.16	1.65E	1.14 E	6
7	1.56	1.14	1.04	1.47	4.02	18.2	12.5	8.74	2.63	2.12	1.62E	1.12 E	7
8	1.52	1.16	1.03	1.46	5.13	15.4	11.3	11.9	2.54	2.14	1.58E	1.10 E	8
9	1.48	1.14	1.05	1.49	6.34	13.4	10.2	9.00	2.47	2.08	1.55E	1.08 A	9
10	1.46	1.14	1.09	1.41	7.84	12.2	9.54	8.00	2.39	2.08	1.45E	1.09 E	10
11	1.40	1.17	1.14	1.41	7.29	11.4	9.06	7.42	2.28	2.11	1.48E	1.11 E	11
12	1.40	1.17	1.18	1.34	7.49	10.8	8.66	7.01	2.22	2.10	1.45E	1.10 E	12
13	1.40	1.15	1.22	1.23	7.89	28.3	8.77	6.70	2.16	2.03	1.41E	1.08 E	13
14	1.36	1.17	1.26	1.43	9.77	39.1	9.26	6.43	2.12	2.12	1.38E	1.07 E	14
15	1.28	1.22	1.31	1.52	14.3	29.7	8.71	6.22	2.08	2.09	1.34E	1.06 E	15
16	1.16	1.26	1.38	1.73	12.8	28.4	8.89	6.11	2.00	2.02	1.30E	0.970E	16
17	1.10	1.23	1.43	1.65	12.7	25.6	9.95	7.91	1.96	1.98	1.27A	0.930E	17
18	1.04	1.27	1.39	1.67	18.3	21.9	9.05	6.67	1.89	1.94	1.29E	0.900E	18
19	1.06	1.23	1.29	1.73	26.9	19.1	8.46	6.16	1.99	1.97	1.20E	0.905E	19
20	1.08	1.23	1.29	1.86	42.8	18.2	8.83	5.80	2.78	1.99	1.25E	0.910E	20
21	1.11	1.19	1.18	2.13	70.0	17.4	8.72	5.49	3.09	1.77	1.20E	0.911E	21
22	1.14	1.16	1.29	1.83	65.8	15.8	8.85	5.21	3.12	1.83	1.18E	0.912E	22
23	1.25	1.20	1.44	1.89	64.6	14.5	9.20	4.86	3.04	2.01	1.12E	0.900E	23
24	1.25	1.18	1.44	2.60	65.6	13.9	9.68	4.65	3.02	1.94	1.06E	0.800E	24
25	1.24	1.13	1.50	2.37	68.8	13.7	17.9	4.42	3.12	1.92	1.00E	0.790E	25
26	1.23	1.10	1.53	1.89	87.0	14.4	13.8	4.13	3.15	2.02	1.03E	0.780E	26
27	1.19	1.03	1.58	1.74	59.8	18.2	11.5	3.95	3.07	1.90	1.06E	0.774B	27
28	1.09	1.05	1.67	1.75	46.4	16.3	10.1	3.75	2.58	1.94	1.09E	0.773B	28
29	1.07		1.88	1.85	37.3	14.2	10.3	3.61	2.24	1.91A	1.08E	0.772B	29
30	1.10		2.43	1.87	36.5	15.6	10.6	3.63	2.16	1.86E	1.13E	0.770B	30
31	1.15		2.17		36.0		10.1	3.45		1.83E		0.768B	31
TOTAL	41.10	32.52	41.71	51.55	839.69	621.6	353.83	202.68	78.22	62.82	40.90	30.105	TOTAL
MEAN	1.33	1.16	1.35	1.72	27.1	20.7	11.4	6.54	2.61	2.03	1.36	0.971	MEAN
MAX	1.86	1.27	2.43	2.60	87.0	39.1	19.5	11.9	3.30	2.28	1.80	1.14	MAX
MIN	1.04	1.03	1.03	1.23	2.57	10.8	8.46	3.45	1.89	1.77	1.00	0.768	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.57
MAXIMUM DAILY, 87.0 ON MAY 26
MINIMUM DAILY, 0.768B ON DEC 31
MAXIMUM INSTANTANEOUS,
122 AT 02:00 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 40 20 N
LONG 114 15 39 W
DRAINAGE AREA, 554 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 550	JUL	30 600
FEB	2 810	AUG	17 500
MAR	3 600	SEP	6 760
APR	4 450	OCT	5 430
MAY	72 500	NOV	3 530
JUN	53 700	DEC	2 600

TOTAL DISCHARGE, 207 000 dam³

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	4.06E	30.6	20.2	38.9	12.7	5.54	---	---	1
2	---	---	---	---	4.12E	31.7	20.0	35.6	12.3	6.92	---	---	2
3	---	---	---	---	4.15E	31.7	23.7	33.8	11.1	5.77	---	---	3
4	---	---	---	---	4.12E	27.5	30.6	31.9	10.3	5.19	---	---	4
5	---	---	---	---	4.06A	24.2	33.6	29.5	10.1	4.99	---	---	5
6	---	---	---	---	3.85	23.6	31.5	28.8	9.71	4.86	---	---	6
7	---	---	---	---	3.56	21.1	27.6	29.6	9.12	4.97	---	---	7
8	---	---	---	---	3.88	17.9	21.8	32.0	9.83	4.77	---	---	8
9	---	---	---	---	4.57	16.1	17.2	28.6	11.6	4.52	---	---	9
10	---	---	---	---	4.74	14.9	16.0	27.7	12.0	4.40	---	---	10
11	---	---	---	---	4.67	14.1	17.3	27.5	10.3	4.01	---	---	11
12	---	---	---	---	4.67	13.4	19.1	27.7	10.2	4.13	---	---	12
13	---	---	---	---	4.94	14.3	20.9	27.8	9.39	3.89	---	---	13
14	---	---	---	---	5.70	14.1	52.2	26.3	8.50	4.02	---	---	14
15	---	---	---	---	6.52	14.4	60.7	25.4	7.99	3.83	---	---	15
16	---	---	---	---	5.73	15.6	57.1	25.1	8.78	3.96	---	---	16
17	---	---	---	---	6.19	14.2	54.4	24.5	9.18	3.63	---	---	17
18	---	---	---	---	8.30	12.4	57.3	22.7	9.79	3.58	---	---	18
19	---	---	---	---	11.7	11.2	53.8	21.9	11.9	3.70	---	---	19
20	---	---	---	---	15.6	10.6	50.1	22.3	12.1	3.47A	---	---	20
21	---	---	---	---	27.1	10.3	49.0	21.3	8.57	3.35E	---	---	21
22	---	---	---	---	32.8	9.79	49.2	18.6	7.83	3.20E	---	---	22
23	---	---	---	---	35.3	9.51	51.7	17.8	7.35	3.06E	---	---	23
24	---	---	---	---	39.0	9.04	47.9	18.0	6.88	2.95E	---	---	24
25	---	---	---	---	41.0	9.83	43.7	19.1	6.63	2.86E	---	---	25
26	---	---	---	---	46.1	15.2	41.0	21.1	6.21	2.78E	---	---	26
27	---	---	---	---	38.7	18.4	40.3	19.8	5.93	2.70E	---	---	27
28	---	---	---	---	30.1	14.8	42.2	16.8	5.83	2.64E	---	---	28
29	---		---	---	25.7	13.1	44.6	16.0	5.78	2.60E	---	---	29
30	---		---	---	28.1	16.1	47.0	16.6	5.58	2.52E	---	---	30
31	---		---		30.7		44.4	14.1		2.50E		---	31
TOTAL	---	---	---	---	489.73	499.67	1 186.1	766.8	273.48	121.31	---	---	TOTAL
MEAN	---	---	---	---	15.8	16.7	38.3	24.7	9.12	3.91	---	---	MEAN
MAX	---	---	---	---	46.1	31.7	60.7	38.9	12.7	6.92	---	---	MAX
MIN	---	---	---	---	3.56	9.04	16.0	14.1	5.58	2.50	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 60.7 ON JUL 15

MAXIMUM INSTANTANEOUS,
62.3 AT 19:55 MST ON JUL 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 116 22 46 W
DRAINAGE AREA, 510 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	102 000
FEB	---	AUG	66 300
MAR	---	SEP	23 600
APR	---	OCT	10 500
MAY	42 300	NOV	---
JUN	43 200	DEC	---

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.055B	0.054B	0.049B	0.039B	0.155E	1.45	0.773	1.49	0.510	0.271E	0.096E	0.076B	1
2	0.054B	0.054B	0.050B	0.039B	0.170E	1.68	0.934	1.25	0.490E	0.265E	0.096E	0.076B	2
3	0.053B	0.055B	0.050B	0.038B	0.184E	1.67	1.51	1.18	0.480E	0.256E	0.096E	0.076B	3
4	0.052B	0.054B	0.050B	0.038B	0.197A	1.25	2.59	1.05	0.470E	0.248E	0.096E	0.076B	4
5	0.051B	0.052B	0.050B	0.037B	0.195	0.952	2.74	0.973	0.460E	0.239E	0.095E	0.075B	5
6	0.050B	0.050B	0.050B	0.037B	0.193	0.929	2.22	0.998	0.450E	0.231E	0.094E	0.075B	6
7	0.049B	0.048B	0.051B	0.037B	0.183	0.826	1.50	1.24	0.445E	0.222E	0.091E	0.075B	7
8	0.048B	0.047B	0.051B	0.037B	0.185	0.698	0.989	1.51	0.440E	0.217E	0.089E	0.075B	8
9	0.047B	0.046B	0.051B	0.036B	0.190	0.604	0.784	1.20	0.430E	0.209E	0.086E	0.075B	9
10	0.046B	0.045B	0.050B	0.036B	0.193	0.551	0.764	1.10	0.425E	0.200E	0.085E	0.075B	10
11	0.045B	0.044B	0.050B	0.036B	0.198	0.543	0.975	1.07	0.420E	0.194E	0.084E	0.074B	11
12	0.044B	0.043B	0.049B	0.035B	0.199	0.522	1.11	1.10	0.415E	0.186E	0.083E	0.074B	12
13	0.044B	0.042B	0.049B	0.035B	0.224	0.565	1.32	1.13	0.410E	0.178E	0.082E	0.074B	13
14	0.043B	0.041B	0.048B	0.036B	0.264	0.505	2.87	1.04	0.405E	0.170E	0.081E	0.074B	14
15	0.043B	0.040B	0.048B	0.037B	0.275	0.444	3.00	0.982	0.400E	0.160E	0.081E	0.074B	15
16	0.043B	0.040B	0.047B	0.039B	0.233	0.667	2.89	0.933	0.395E	0.152E	0.080	0.074B	16
17	0.043B	0.040B	0.047B	0.041B	0.250	0.579	2.71	0.911	0.390E	0.146E	0.079E	0.073B	17
18	0.043B	0.041B	0.047B	0.044B	0.338	0.447	2.65	0.840	0.380E	0.139E	0.078E	0.073B	18
19	0.044B	0.041B	0.046B	0.047B	0.441	0.351	2.68	0.836	0.373E	0.133E	0.078E	0.073B	19
20	0.044B	0.042B	0.046B	0.050B	0.800	0.315	2.49	0.885	0.368E	0.128E	0.077E	0.073B	20
21	0.045B	0.042B	0.045B	0.057E	1.32	0.303	2.56	0.855	0.357E	0.123B	0.077E	0.073B	21
22	0.046B	0.043B	0.045B	0.062E	1.59	0.293	2.38	0.761	0.349E	0.117B	0.077E	0.073B	22
23	0.047B	0.044B	0.044B	0.070E	1.69	0.281	2.63	0.731	0.338E	0.109B	0.077E	0.073B	23
24	0.048B	0.045B	0.043B	0.078E	1.97	0.262	2.03	0.715	0.325A	0.102B	0.076E	0.073B	24
25	0.048B	0.046B	0.043B	0.085E	2.29	0.356	1.72	0.805	0.312E	0.101B	0.076B	0.073B	25
26	0.049B	0.046B	0.042B	0.095E	2.79	0.790	1.61	0.833	0.306E	0.101E	0.076B	0.072B	26
27	0.049B	0.047B	0.042B	0.105E	2.02	0.735	1.72	0.758	0.297E	0.100E	0.076B	0.072B	27
28	0.050B	0.048B	0.041B	0.120E	1.31	0.574	1.97	0.670	0.289E	0.099E	0.076B	0.072B	28
29	0.051B		0.041B	0.135E	1.10	0.545	2.38	0.645	0.281E	0.098E	0.076B	0.072B	29
30	0.052B		0.041B	0.145E	1.29	0.731	2.63	0.611	0.277E	0.097E	0.076B	0.072B	30
31	0.053B		0.040B		1.42		1.99	0.540		0.096E		0.073B	31
TOTAL	1.479	1.280	1.446	1.726	23.857	20.618	61.119	29.642	11.687	5.087	2.490	2.288	TOTAL
MEAN	0.048	0.046	0.047	0.058	0.770	0.687	1.97	0.956	0.390	0.164	0.083	0.074	MEAN
MAX	0.055	0.055	0.051	0.145	2.79	1.68	3.00	1.51	0.510	0.271	0.096	0.076	MAX
MIN	0.043	0.040	0.040	0.035	0.155	0.262	0.764	0.540	0.277	0.096	0.076	0.072	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.446
MAXIMUM DAILY, 3.00 ON JUL 15
MINIMUM DAILY, 0.035B ON APR 12
MAXIMUM INSTANTANEOUS,
3.12 AT 19:25 MST ON JUL 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 47 58 N
LONG 116 34 50 W
DRAINAGE AREA, 20.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	128	JUL	5 280
FEB	111	AUG	2 560
MAR	125	SEP	1 010
APR	149	OCT	440
MAY	2 060	NOV	215
JUN	1 780	DEC	198

TOTAL DISCHARGE, 14 100 dam³

SIMONETTE RIVER NEAR GOODWIN - STATION NO. 07GF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.20B	3.83B	4.26B	21.8B	58.6	85.6	12.4	67.4	4.61	4.63	5.90	1.91B	1
2	4.15B	3.67B	4.30B	24.4B	61.8	107	12.0	51.4	4.52	4.61	5.98	1.89B	2
3	4.25B	3.67B	4.38B	29.4B	65.7	90.8	11.9	41.6	4.83	4.54	5.79	1.74B	3
4	4.40B	3.57B	4.40B	30.7B	59.2	85.5	11.1	33.5	4.81	4.54	6.52	1.63B	4
5	4.45B	3.55B	4.30B	28.5B	51.6	74.2	10.3	27.2	4.83	4.48	7.48	1.58B	5
6	4.50B	3.50B	4.27B	25.7B	46.7	60.3	9.71	23.3	5.29	4.45	7.29	1.49B	6
7	4.45B	3.48B	4.37B	24.9B	44.7	49.8	9.09	21.1	5.35	4.49	6.89	1.34B	7
8	4.40B	3.45B	4.53B	24.2B	45.3	44.9	8.61	18.4	5.25	4.50	6.43	1.28B	8
9	4.40B	3.40B	4.61B	21.0B	76.8	39.1	8.30	16.0	5.03	4.61	6.16	1.27B	9
10	4.45B	3.40B	4.73B	20.0B	89.2	34.1	8.23	12.9	4.66	4.58	6.09	1.26B	10
11	4.48B	3.40B	4.74B	19.5B	81.1	31.0	8.06	10.5	4.32	4.61	5.67	1.19B	11
12	4.50B	3.40B	4.79B	19.0B	70.0	31.1	7.62	9.54	4.08	4.61	5.67	1.28B	12
13	4.45B	3.45B	4.88B	18.8B	59.0	36.6	7.36	9.25	3.91	4.70	3.92B	1.28B	13
14	4.40B	3.50B	5.11B	20.3B	51.5	46.7	7.16	8.84	3.78	4.76	2.72B	1.35B	14
15	4.35B	3.80B	5.35B	21.6B	46.6	43.1	7.71	8.40	3.68	4.74	3.60B	1.21B	15
16	4.35B	4.10B	5.68B	24.2	44.2	38.5	8.25	8.07	3.64	4.67	3.38B	1.10B	16
17	4.45B	4.20B	5.99B	24.4	44.3	35.2	8.71	7.68	3.59	4.59	3.50B	1.14B	17
18	4.55B	4.30B	6.42B	28.6	41.2	31.1	9.21	7.29	3.59	4.70	2.84B	1.17B	18
19	4.69B	4.40B	6.80B	33.9	38.2	28.3	8.85	6.75	3.78	4.73	2.92B	1.22B	19
20	4.76B	4.40B	6.80B	41.7	35.9	26.7	8.13	6.28A	3.96	4.67	3.04B	1.29B	20
21	4.72B	4.35B	7.12B	55.3	34.3	24.4	9.80	6.11	3.89	4.64	2.73B	1.21B	21
22	4.78B	4.25B	7.15B	71.9	33.9	22.6	11.2	5.88	3.92	4.61	2.52B	1.18B	22
23	4.84B	4.10B	6.88B	73.7	34.2	20.8	18.6	5.70	4.58	4.56	2.34B	1.18B	23
24	4.77B	4.00B	6.65B	81.8	40.9	19.1	48.1	5.52	5.11	4.58	2.12B	1.18B	24
25	4.63B	3.96B	6.78B	99.8	49.5A	18.2	39.9	5.25	4.92	4.64	1.91B	1.16B	25
26	4.54B	4.10B	6.89B	93.7	42.4A	17.2	32.4	5.10	4.85	4.62	1.81B	1.14B	26
27	4.29B	4.00B	7.46B	80.0	39.6	16.2	26.8	5.14	4.94	5.09	1.81B	1.12B	27
28	4.37B	4.18B	9.95B	68.0	45.6	14.7	22.9	4.70	4.86	6.23	1.91B	1.11B	28
29	4.28B		12.3 B	63.9	51.3	13.8	20.9	4.37	4.76	6.92	1.83B	1.10B	29
30	4.05B		17.4 B	62.1	50.9	13.2	21.7	4.23	4.62	6.61	1.76B	1.09B	30
31	3.93B		17.9 B		43.7		87.0	4.41		6.13		1.08B	31
TOTAL	137.83	107.41	207.19	1 252.8	1 577.9	1 199.8	522.00	451.81	133.96	150.84	122.53	40.17	TOTAL
MEAN	4.45	3.84	6.68	41.8	50.9	40.0	16.8	14.6	4.47	4.87	4.08	1.30	MEAN
MAX	4.84	4.40	17.9	99.8	89.2	107	87.0	67.4	5.35	6.92	7.48	1.91	MAX
MIN	3.93	3.40	4.26	18.8	33.9	13.2	7.16	4.23	3.59	4.45	1.76	1.08	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.2
MAXIMUM DAILY, 107 ON JUN 2
MINIMUM DAILY, 1.08B ON DEC 31
MAXIMUM INSTANTANEOUS,
120 AT 22:00 MST ON JUN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 30 N
LONG 118 10 30 W
DRAINAGE AREA, 5 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 900	JUL	45 100
FEB	9 280	AUG	39 000
MAR	17 900	SEP	11 600
APR	108 000	OCT	13 000
MAY	136 000	NOV	10 600
JUN	104 000	DEC	3 470

TOTAL DISCHARGE, 510 000 dam³

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 370B	1 140B	1 880B	1 950B	3 590B	5 130	3 420	3 510	2 450	2 740	2 370B	1 550B	1
2	2 370B	1 150B	1 790B	1 960B	3 800B	5 110	3 420	3 490	2 380	2 720	2 300B	1 700B	2
3	2 240B	1 190B	1 690B	1 940B	3 820B	5 180	3 400	3 490	2 360	2 720	2 320B	1 770B	3
4	2 120B	1 240B	1 550B	1 950B	3 610B	5 160	3 320	3 490	2 390	2 620	2 300B	1 850B	4
5	1 940B	1 250B	1 420B	1 950B	2 860B	5 110	3 190	3 520	2 420	2 700	2 240B	1 930B	5
6	1 840B	1 270B	1 280B	1 950B	2 590B	5 060	3 300	3 500	2 430	2 780	2 100B	2 030B	6
7	1 770B	1 350B	1 180B	1 970B	3 190B	5 270	3 340	3 530	2 440	2 850	2 110B	1 990B	7
8	1 700B	1 440B	1 200B	2 000B	4 330B	5 270	3 320	3 630	2 480	3 050	2 100B	1 840B	8
9	1 630B	1 550B	1 210B	2 030B	5 540B	5 210	3 180	3 670	2 470	3 090	2 090B	1 850B	9
10	1 630B	1 590B	1 230B	2 060B	5 270B	5 160	3 180	3 620	2 470	3 000	2 100B	1 900B	10
11	1 660B	1 550B	1 270B	2 100B	5 010B	5 070	3 240	3 580	2 460	2 920	2 040B	2 050B	11
12	1 650B	1 570B	1 310B	2 120B	4 740E	4 990	3 300	3 510	2 540	2 880	2 000B	2 060B	12
13	1 650B	1 620B	1 390B	2 170B	4 730	4 870	3 270	3 270	2 600	2 850	1 900B	2 020B	13
14	1 650B	1 690B	1 470B	2 200B	4 780	4 690	3 260	3 190	2 700	2 830	1 800B	2 150B	14
15	1 720B	1 790B	1 540B	2 270B	4 850	4 470	3 270	3 070	2 790	2 820	1 750B	2 100B	15
16	1 780B	1 910B	1 580B	2 310B	4 900	4 270	3 200	2 940	2 790	2 800	1 760B	2 060B	16
17	1 830B	1 940B	1 600B	2 330B	4 940	4 110	3 070	2 810	2 730	2 770	1 780B	2 050B	17
18	1 880B	1 900B	1 630B	2 350B	4 940	3 960	2 930	2 730	2 730	2 780	1 800B	2 060B	18
19	1 920B	1 940B	1 650B	2 360B	4 890	3 880	2 970	2 750	2 820	2 810	1 820B	2 300B	19
20	1 850B	1 950B	1 670B	2 380B	4 790	3 850	3 020	2 740	2 860	2 870	1 850B	2 200B	20
21	1 710B	2 000B	1 690B	2 370B	4 750	3 830	2 920	2 690	2 790	2 710	1 860B	2 040B	21
22	1 610B	2 010B	1 710B	2 390B	4 870	3 760	2 850	2 670	2 710	2 630	1 870B	1 770B	22
23	1 460B	2 030B	1 730B	2 390B	4 880	3 770	2 850	2 660	2 720	2 510	1 890B	1 750B	23
24	1 300B	2 020B	1 770B	2 400B	4 820	3 810	2 970	2 630	2 690	2 530	1 900B	1 830B	24
25	1 220B	1 990B	1 790B	2 470B	4 800	3 830	3 040	2 620	2 630	2 530	1 830B	1 820B	25
26	1 160B	1 980B	1 850B	2 570B	4 820	3 840	3 070	2 570	2 630	2 560	1 750B	1 900B	26
27	1 100B	1 960B	1 890B	2 670B	4 940	3 740	3 000	2 530	2 670	2 570	1 780B	1 850B	27
28	1 090B	1 920B	1 920B	2 860B	5 050	3 670	2 930	2 480	2 700	2 570	1 450B	1 900B	28
29	1 090B		1 940B	3 120B	5 070	3 590	3 110	2 450	2 680	2 600B	1 430B	2 130B	29
30	1 100B		1 950B	3 370B	5 160	3 510	3 360	2 520	2 670	2 550B	1 500B	2 230B	30
31	1 100B		1 950B		5 210		3 500	2 510		2 480B		2 160B	31
TOTAL	51 140	46 940	49 730	68 960	141 540	133 170	98 200	94 370	78 200	84 840	57 790	60 840	TOTAL
MEAN	1 650	1 680	1 600	2 300	4 570	4 440	3 170	3 040	2 610	2 740	1 930	1 960	MEAN
MAX	2 370	2 030	1 950	3 370	5 540	5 270	3 500	3 670	2 860	3 090	2 370	2 300	MAX
MIN	1 090	1 140	1 180	1 940	2 590	3 510	2 850	2 450	2 360	2 480	1 430	1 550	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 650
MAXIMUM DAILY, 5 540B ON MAY 9
MINIMUM DAILY, 1 090B ON JAN 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 52 20 N
LONG 111 35 00 W
DRAINAGE AREA, 606 000 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 420 000	JUL	8 480 000
FEB	4 060 000	AUG	8 150 000
MAR	4 300 000	SEP	6 760 000
APR	5 960 000	OCT	7 330 000
MAY	12 200 000	NOV	4 990 000
JUN	11 500 000	DEC	5 260 000

TOTAL DISCHARGE, 83 400 000 dam³

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	36.2B	14.2B	12.4B	15.3	67.3	263	170	220 E	85.3	32.9	40.0E	17.1 B	1
2	36.0B	13.9B	12.7B	14.9	75.1	276	167	205 E	92.8	38.8	49.0E	17.3 B	2
3	35.2B	13.8B	12.9B	14.4	64.4	267	206	195 E	88.3	34.8	42.9A	16.5 B	3
4	34.7B	13.6B	13.0B	13.6	59.1	236E	255	180 E	78.6	33.0	41.0	16.4 B	4
5	33.5B	13.4B	12.4B	14.1	58.4	205	224	168 E	80.7	30.8	35.7	16.0 B	5
6	33.1B	13.1B	12.1B	13.5	60.1	191	206	160 E	73.6	29.9	32.6	15.4 B	6
7	31.6B	13.0B	12.5B	13.4	57.2	169	181	152 E	78.8	29.5	31.3	14.4 B	7
8	30.4B	12.8B	12.4B	13.4	58.0	146	146	151 E	88.0	31.1	26.5	13.5 B	8
9	29.2B	12.8B	12.2B	13.5	64.8	136	124	154 E	99.3	30.0E	28.4	13.0 B	9
10	28.2B	12.7B	12.1B	12.8	68.0	131	108	155 E	103	29.0E	25.9	12.5 B	10
11	27.3B	12.7B	12.4B	12.1	67.4	138	111	157 A	87.7	29.0E	25.4	11.7 B	11
12	26.4B	12.8B	12.8B	11.5	70.8	139	124	154	81.1	28.0E	29.1	11.1 B	12
13	25.6B	12.8B	12.8B	12.4	81.9	137	141	147	68.9	28.0E	30.9	10.8 B	13
14	24.8B	12.9B	12.9B	12.4	91.9	143	150	138	62.1	27.0E	26.6	10.2 B	14
15	24.0B	12.9B	13.1B	13.2	109	150	142	133	60.7	27.0E	27.6	9.90B	15
16	23.2B	13.0B	13.3B	14.9	124	151	142	130	70.8	26.0E	24.8	9.38B	16
17	22.4B	13.2B	13.8B	14.8	146	143	143	128	82.4	25.0E	21.2B	9.30B	17
18	21.6B	13.0B	13.9B	14.5	148	129	146	123	88.5	25.5	13.7B	9.40B	18
19	20.8B	12.7B	14.1B	16.3	167	122	148	118	98.1	28.1	14.9B	9.40B	19
20	20.0B	12.5B	14.3B	19.9	193	125	165E	118	78.7	31.9	22.0B	9.50B	20
21	19.5B	12.1B	14.6B	19.6	269	127	200E	107	62.0	28.8	19.1B	9.60B	21
22	19.0B	11.9B	14.9B	19.6	319	118	250E	105	53.8	27.3	17.8B	9.70B	22
23	18.5B	11.6B	15.2B	22.2	323	115	278E	104	48.1	25.0	15.0B	9.80B	23
24	18.0B	11.4B	15.4A	36.2	332	118	260E	107	44.6	21.4	15.1B	10.0 B	24
25	17.4B	11.6B	15.2	38.3	345	119	250E	114	41.1	23.4	15.0B	10.2 B	25
26	16.8B	11.7B	15.6	34.4	402	135	237E	123	38.0	23.5	15.2B	10.4 B	26
27	16.3B	11.7B	15.2	31.4	361	141	240E	140	34.8	23.0E	15.5B	10.5 B	27
28	16.0B	11.9B	16.1	31.4	256	135	250E	119	33.6	23.0E	16.0B	10.6 B	28
29	15.5B		16.9	32.9	226	136	260E	108	32.6	25.0E	16.5B	10.8 B	29
30	15.0B		16.0	34.0	252	164	263E	99.5	32.6	33.0E	17.0B	11.0 B	30
31	14.5B		15.3		300		245E	85.6		36.0E		11.1 B	31
TOTAL	750.7	355.7	428.5	580.9	5 216.4	4 705	5 932	4 298.1	2 068.6	884.7	751.7	366.48	TOTAL
MEAN	24.2	12.7	13.8	19.4	168	157	191	139	69.0	28.5	25.1	11.8	MEAN
MAX	36.2	14.2	16.9	38.3	402	276	278	220	103	38.8	49.0	17.3	MAX
MIN	14.5	11.4	12.1	11.5	57.2	115	108	85.6	32.6	21.4	13.7	9.30	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.2
MAXIMUM DAILY, 402 ON MAY 26
MINIMUM DAILY, 9.30B ON DEC 17
MAXIMUM INSTANTANEOUS,
426 AT 13:00 MST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 119 09 00 W
DRAINAGE AREA, 3 830 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	64 900	JUL	513 000
FEB	30 700	AUG	371 000
MAR	37 000	SEP	179 000
APR	50 200	OCT	76 400
MAY	451 000	NOV	64 900
JUN	407 000	DEC	31 700

TOTAL DISCHARGE, 2 280 000 dam³

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	87.3B	92.3B	65.3B	165B	491	1 220	369	830A	182 A	87.1A	83.1A	42.8B	1
2	79.8B	90.1B	59.8B	195B	482	1 340	412	721A	168 A	83.1A	88.2A	47.1B	2
3	78.0B	88.0B	67.6B	229B	566	1 350	405	617A	149 A	83.8A	105 A	41.6B	3
4	84.5B	85.8B	64.8B	273B	545	1 270	399	540A	155	85.6A	166	38.8B	4
5	85.2B	83.6B	64.3B	325B	497	1 200	472	483	161	97.5A	148	36.7B	5
6	81.8B	81.5B	57.5B	346B	462	1 060	494	438	154	92.3A	145	34.0B	6
7	82.7B	79.3B	60.5B	388B	444	908	447	408	152	94.5A	139	35.0B	7
8	77.3B	75.2B	61.3B	414B	453	821	424	382	150	82.0A	135	33.9B	8
9	83.3B	76.5B	60.8B	400B	664	732	381	363	145	80.5A	130	29.9B	9
10	81.1B	75.0B	58.2B	372B	815	622	318	348	146	82.0A	123	28.6B	10
11	77.5B	73.0B	59.8B	302B	801	574	287	330	156	77.8A	113	29.0B	11
12	76.3B	71.0B	62.7B	241B	747	551	260	318	165	77.8A	110	30.2B	12
13	73.9B	72.0B	64.2B	193	683	586	253	314	159	78.0A	116	26.2B	13
14	71.5B	74.0B	75.7B	155	659	649	262	311	152 A	77.6A	114 E	26.6B	14
15	74.7B	80.0B	92.1B	150	688	689	315A	297	138	77.6A	113 B	24.7B	15
16	75.7B	84.5B	105 B	138	769	673	395A	276	125	71.1A	101 B	23.1B	16
17	71.2B	88.0B	113 B	148	831	656	372A	260	117	69.9A	94.1B	23.0B	17
18	70.4B	91.0B	127 B	160	853	616	354A	249	115	69.2A	81.6B	22.1B	18
19	71.1B	93.0B	134 B	188	854	560	366E	247	129	80.4A	74.2B	22.9B	19
20	74.0B	95.0B	121 B	249	861	508	382E	236	142	88.0A	64.8B	23.8B	20
21	64.7B	96.0B	109 B	306	923	474	410A	229	146	84.7A	55.4B	24.3B	21
22	60.6B	95.5B	107 B	388	1 030	459	453A	226	148	79.0A	52.2B	26.5B	22
23	61.2B	95.3B	95.8B	514	1 170	442	468A	216	124	77.3A	55.7B	27.0B	23
24	75.0B	92.8B	81.3B	575	1 210	413	495A	203	111	74.8A	60.0B	27.5B	24
25	89.2B	86.3B	75.0B	608	1 200	394	585A	194A	106	65.9A	50.0B	29.1B	25
26	92.3B	82.8B	68.4B	811	1 220	385	592A	184A	101	72.3A	44.0B	27.3B	26
27	93.6B	78.0B	72.9B	712	1 320	380	523A	198A	97.7	74.5A	37.7B	24.6B	27
28	95.5B	70.2B	88.8B	618	1 350	401	478A	226A	94.8	77.5A	43.6B	23.8B	28
29	93.4B		108 B	574	1 190	396	472A	223A	91.5A	82.7A	47.3B	22.9B	29
30	93.0B		161 B	519	1 080	373	588A	208A	92.3A	89.1A	47.0B	21.2B	30
31	91.2B		160 B		1 100		921A	185A		86.9A		19.7B	31
TOTAL	2 467.0	2 345.7	2 701.8	10 656	25 958	20 702	13 352	10 260	4 072.3	2 500.5	2 742.9	893.9	TOTAL
MEAN	79.6	83.8	87.2	355	837	690	431	331	136	80.7	91.4	28.8	MEAN
MAX	95.5	96.0	161	811	1 350	1 350	921	830	182	97.5	166	47.1	MAX
MIN	60.6	70.2	57.5	138	444	373	253	184	91.5	65.9	37.7	19.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 270
MAXIMUM DAILY, 1 350 ON MAY 28
MINIMUM DAILY, 19.7B ON DEC 31
MAXIMUM INSTANTANEOUS,
1 400 AT 19:30 MST ON MAY 27

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 42 56 N
LONG 117 37 19 W
DRAINAGE AREA, 50 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	213 000	JUL	1 150 000
FEB	203 000	AUG	886 000
MAR	233 000	SEP	352 000
APR	921 000	OCT	216 000
MAY	2 240 000	NOV	237 000
JUN	1 790 000	DEC	77 200

TOTAL DISCHARGE, 8 520 000 dam³

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.030B	0.124	0.006	0.024	0	0	0	0	0	---	1
2	---	---	0.020B	0.108	0.005	0.022	0.002	0	0	0	0	---	2
3	---	---	0.019B	0.082	0.004	0.017	0.002	0	0	0	0	---	3
4	---	---	0.018B	0.063	0.003	0.013	0.001	0	0	0	0	---	4
5	---	---	0.017	0.048	0.004	0.009	0	0	0	0	0A	---	5
6	---	---	0.017	0.038	0.012	0.006	0	0	0	0	---	---	6
7	---	---	0.019	0.034	0.030	0.005	0	0	0	0	---	---	7
8	---	---	0.019	0.032	0.183	0.004	0	0	0	0	---	---	8
9	---	---	0.022	0.022	0.452	0.003	0	0	0	0	---	---	9
10	---	---	0.027	0.017	0.336	0.003	0	0	0	0	---	---	10
11	---	---	0.029	0.017	0.197	0.003	0	0	0	0	---	---	11
12	---	---	0.032	0.018	0.118	0.003	0	0	0	0	---	---	12
13	---	---	0.038	0.014	0.085	0.004	0	0	0	0	---	---	13
14	---	---	0.048	0.013	0.068	0.009	0	0	0	0	---	---	14
15	---	---	0.060	0.014	0.057	0.008	0	0	0	0	---	---	15
16	---	---	0.068	0.013	0.085	0.005	0	0	0	0	---	---	16
17	---	---	0.093	0.010	0.266	0.004	0	0	0	0	---	---	17
18	---	---	0.100	0.010	0.552	0.003	0	0	0	0	---	---	18
19	---	---	0.087	0.010	0.434	0.002	0	0	0	0	---	---	19
20	---	0.292B	0.070	0.010	0.312	0.001	0	0	0	0	---	---	20
21	---	0.235B	0.046	0.010	0.211	0.001	0	0	0	0	---	---	21
22	---	0.175B	0.034	0.008	0.155	0	0	0	0	0	---	---	22
23	---	0.125B	0.032	0.007	0.137	0	0	0	0	0	---	---	23
24	---	0.100B	0.036	0.007	0.116	0	0	0	0	0	---	---	24
25	---	0.085B	0.033	0.007	0.092	0	0	0	0	0	---	---	25
26	---	0.076B	0.045	0.008	0.072	0	0	0	0	0	---	---	26
27	---	0.061B	0.081	0.009	0.059	0	0	0	0	0	---	---	27
28	---	0.040B	0.137	0.012	0.048	0	0	0	0	0	---	---	28
29	---		0.145	0.010	0.039	0	0.005	0	0	0	---	---	29
30	---		0.141	0.008	0.034	0	0.001	0	0	0	---	---	30
31	---		0.130		0.028		0	0		0		---	31
TOTAL	---	---	1.693	0.783	4.200	0.149	0.011	0	0	0	---	---	TOTAL
MEAN	---	---	0.055	0.026	0.135	0.005	0	0	0	0	---	---	MEAN
MAX	---	---	0.145	0.124	0.552	0.024	0.005	0	0	0	---	---	MAX
MIN	---	---	0.017	0.007	0.003	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.552 ON MAY 18

MAXIMUM INSTANTANEOUS,
0.580 AT 13:10 MST ON MAY 18

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 20 N
LONG 112 54 46 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.95
FEB	---	AUG	0
MAR	146	SEP	0
APR	67.7	OCT	0
MAY	363	NOV	---
JUN	12.9	DEC	---

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	14.2E	91.1	54.4	41.0E	34.4E	14.1 A	---	---	1
2	---	---	---	---	14.4E	95.4	55.8	42.5E	33.5A	13.9 E	---	---	2
3	---	---	---	---	14.6E	92.1	63.4	43.0E	33.4	13.6 E	---	---	3
4	---	---	---	---	14.6E	85.2	78.6	43.3E	31.8	13.2 E	---	---	4
5	---	---	---	---	14.4E	71.3	75.8	43.0E	34.2	12.9 E	---	---	5
6	---	---	---	---	14.0A	64.6	67.6	42.0E	33.0	12.6 E	---	---	6
7	---	---	---	---	13.0	58.2	59.8	40.8E	31.1	12.4 E	---	---	7
8	---	---	---	---	12.9	50.4	49.3	40.1E	31.5	12.1 E	---	---	8
9	---	---	---	---	14.5	45.8	40.5	39.8E	33.0	11.8 E	---	---	9
10	---	---	---	---	16.6	44.0	35.9	40.5E	33.9	11.6 E	---	---	10
11	---	---	---	---	17.0	44.4	35.3	41.2E	31.2	11.5 E	---	---	11
12	---	---	---	---	18.3	43.6	38.5	40.7E	28.3	11.3 E	---	---	12
13	---	---	---	---	22.2	41.7	45.1	39.7E	26.1	11.0 E	---	---	13
14	---	---	---	---	26.7	42.6	49.3	39.5E	23.5	10.8 E	---	---	14
15	---	---	---	---	31.3	46.0	51.5	40.6E	21.8	10.6 E	---	---	15
16	---	---	---	---	32.7	47.1	50.4	41.5E	22.1	10.5 E	---	---	16
17	---	---	---	---	37.7	44.9	51.1	44.0E	24.8	10.4 E	---	---	17
18	---	---	---	---	42.2	40.6	52.1A	45.0E	26.7	10.2 E	---	---	18
19	---	---	---	---	49.6	37.1	47.2E	45.0E	28.7	10.0 E	---	---	19
20	---	---	---	---	59.5	36.5	46.6E	44.1E	28.8	9.95E	---	---	20
21	---	---	---	---	78.8	37.0	47.1E	43.5E	24.2	9.76A	---	---	21
22	---	---	---	---	102	34.2	48.1E	41.0E	21.1	9.65E	---	---	22
23	---	---	---	---	114	32.5	49.9E	39.0E	19.7	9.55E	---	---	23
24	---	---	---	---	113	32.4	50.2E	38.2E	17.7	9.48E	---	---	24
25	---	---	---	---	114	34.1	49.0E	38.1E	16.7	9.40E	---	---	25
26	---	---	---	---	128	42.2	46.0E	38.1A	15.7	9.38E	---	---	26
27	---	---	---	---	123	45.8	44.4E	38.0E	14.9	9.24E	---	---	27
28	---	---	---	---	90.2	44.0	43.5E	37.6E	14.6	9.18E	---	---	28
29	---		---	---	73.9	42.7	41.0E	36.8E	14.3	9.10E	---	---	29
30	---		---	---	82.4	48.4	40.6E	36.0E	14.2	9.05E	---	---	30
31	---		---		93.3		40.3E	35.1E		9.00E		---	31
TOTAL	---	---	---	---	1 593.0	1 515.9	1 548.3	1 258.7	764.9	337.24	---	---	TOTAL
MEAN	---	---	---	---	51.4	50.5	49.9	40.6	25.5	10.9	---	---	MEAN
MAX	---	---	---	---	128	95.4	78.6	45.0	34.4	14.1	---	---	MAX
MIN	---	---	---	---	12.9	32.4	35.3	35.1	14.2	9.00	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 38.1
MAXIMUM DAILY, 128 ON MAY 26
MINIMUM DAILY, 9.00E ON OCT 31
MAXIMUM INSTANTANEOUS,
134 AT 03:40 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 28 N
LONG 118 01 58 W
DRAINAGE AREA, 1 580 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	134 000
FEB	---	AUG	109 000
MAR	---	SEP	66 100
APR	---	OCT	29 100
MAY	138 000	NOV	---
JUN	131 000	DEC	---

TOTAL DISCHARGE, 607 000 dam³

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001	0	0	0.007	0	0	0	0	---	1
2	---	---	0 B	0	0	0	0.035	0	0	0	0	---	2
3	---	---	0 B	0	0	0	0.033	0	0	0	0A	---	3
4	---	---	0 B	0	0	0	0.029	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0.029	0	0	0	---	---	5
6	---	---	0.020B	0	0	0	0.027	0.001	0	0	---	---	6
7	---	---	0.040B	0	0	0	0.024	0.008	0	0	---	---	7
8	---	---	0.058B	0	0	0	0.021	0	0	0	---	---	8
9	---	---	0.080B	0	0	0	0.019	0	0	0	---	---	9
10	---	---	0.125B	0	0	0	0.017	0	0	0	---	---	10
11	---	---	0.143B	0	0	0	0.016	0	0	0	---	---	11
12	---	---	0.162B	0	0	0	0.014	0	0	0	---	---	12
13	---	---	0.165B	0	0	0.001	0.011	0	0	0	---	---	13
14	---	---	0.150B	0	0	0	0.010	0	0	0	---	---	14
15	---	---	0.120B	0	0	0	0.009	0	0	0	---	---	15
16	---	---	0.070B	0	0	0	0.008	0	0	0	---	---	16
17	---	---	0.050B	0	0	0	0.006	0	0	0	---	---	17
18	---	---	0.015B	0	0	0	0.006	0	0	0	---	---	18
19	---	---	0.014B	0	0	0	0.005	0	0	0	---	---	19
20	---	---	0.010B	0	0	0	0.003	0	0	0	---	---	20
21	---	---	0.010B	0	0	0	0.001	0	0	0	---	---	21
22	---	---	0.008B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.007B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.007B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.006B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.002B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.001B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0.001B	0	0	0	0	0	0	0	---	---	29
30	---		0.002B	0	0	0	0	0	0	0	---	---	30
31	---		0.003B		0		0	0		0		---	31
TOTAL	---	---	1.279	0.001	0	0.001	0.330	0.009	0	0	---	---	TOTAL
MEAN	---	---	0.041	0	0	0	0.011	0	0	0	---	---	MEAN
MAX	---	---	0.165	0.001	0	0.001	0.035	0.008	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.165B ON MAR 13
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 55 N
LONG 110 28 25 W
DRAINAGE AREA, 3 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28.5
FEB	---	AUG	0.78
MAR	111	SEP	0
APR	0.09	OCT	0
MAY	0	NOV	---
JUN	0.09	DEC	---

TOTAL DISCHARGE, 140 dam³

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07OA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001B	13.6	2.18	0.135	0.018	0.003	0.003	---	---	1
2	---	---	0 B	0.002B	15.7	2.05	0.100	0.015	0.003	0.003	---	---	2
3	---	---	0 B	0.002B	18.7	1.86	0.087	0.012	0.003	0.003	---	---	3
4	---	---	0 B	0.002B	23.0	1.79	0.088	0.012	0.003	0.003	---	---	4
5	---	---	0 B	0.002B	25.0	1.82	0.081	0.013	0.004	0.003	---	---	5
6	---	---	0 B	0.002B	23.1	1.72	0.089	0.012	0.004	0.003	---	---	6
7	---	---	0 B	0.002B	21.1	1.73	0.107	0.011	0.004	0.003	---	---	7
8	---	---	0 B	0.001B	19.0	1.81	0.091	0.010	0.004	0.004	---	---	8
9	---	---	0 B	0.001B	17.0	1.69	0.100	0.008	0.004	0.008	---	---	9
10	---	---	0 B	0 B	15.3	1.52	0.099	0.008	0.003	0.011	---	---	10
11	---	---	0 B	0 B	14.0	1.37	0.104	0.005	0.003	0.012	---	---	11
12	---	---	0 B	0 B	12.7	1.24	0.094	0.005	0.003	0.011	---	---	12
13	---	---	0 B	0 B	11.5	1.13	0.104	0.005	0.003	0.010	---	---	13
14	---	---	0 B	0 B	10.6	1.06	0.104	0.005	0.003	0.007	---	---	14
15	---	---	0 B	0 B	9.59	0.971	0.104	0.005	0.002	0.006	---	---	15
16	---	---	0 B	0 B	8.65	0.903	0 104	0.005	0.002	0.006	---	---	16
17	---	---	0 B	0 B	7.82	0.849	0.111	0.005	0.002	0.006	---	---	17
18	---	---	0 B	0 B	7.12	0.745	0.115	0.004	0.002	0.006	---	---	18
19	---	---	0 B	0.005B	6.49	0.679	0.120	0.004	0.002	0.006	---	---	19
20	---	---	0 B	0.020B	6.02	0.649	0.106	0.004	0.002	0.006	---	---	20
21	---	---	0 B	0.050B	5.52	0.615	0.107	0.004	0.002	0.006	---	---	21
22	---	---	0 B	0.100B	4.99	0.603	0.108	0.004	0.003	0.006	---	---	22
23	---	0B	0 B	0.180B	4.52	0.563	0.106	0.004	0.003	0.006	---	---	23
24	---	0B	0 B	0.229B	4.11	0.518	0.098	0.004	0.003	0.006	---	---	24
25	---	0B	0 B	1.45 B	3.78	0.437	0.077	0.004	0.003	0.013B	---	---	25
26	---	0B	0 B	4.43 B	3.54	0.339	0.070	0.004	0.003	0.015B	---	---	26
27	---	0B	0 B	6.10 B	3.34	0.276	0.050	0.003	0.003	0.010B	---	---	27
28	---	0B	0.001B	9.11 B	3.19	0.246	0.037	0.002	0.003	0.016B	---	---	28
29	---		0.001B	11.5 B	2.89	0.193	0.025	0.002	0.003	0.014B	---	---	29
30	---		0.001B	11.6 B	2.58	0.161	0.022	0.002	0.003	0.014B	---	---	30
31	---		0.001B		2.38		0.021	0.002		0.016B		---	31
TOTAL	---	---	0.004	44.789	326.83	31.717	2.764	0.201	0.088	0.242	---	---	TOTAL
MEAN	---	---	0	1.49	10.5	1.06	0.089	0.006	0.003	0.008	---	---	MEAN
MAX	---	---	0.001	11.6	25.0	2.18	0.135	0.018	0.004	0.016	---	---	MAX
MIN	---	---	0	0	2.38	0.161	0.021	0.002	0.002	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.66
MAXIMUM DAILY, 25.0 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
26.3 AT 22:00 MST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 36 00 N
LONG 118 29 00 W
DRAINAGE AREA, 818 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	239
FEB	---	AUG	17.4
MAR	0.35	SEP	7.60
APR	3 870	OCT	20.9
MAY	28 200	NOV	---
JUN	2 740	DEC	---

TOTAL DISCHARGE, 35 100 dam³

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.241B	1.02	0.934	2.35	0.991	0.623	0.340	0.195	0.283	---	1
2	---	---	0.241B	0.906	0.906	2.32	0.963	0.566	0.272	0.195	0.311	---	2
3	---	---	0.241B	0.793	0.878	2.18	0.906	0.566	0.278	0.181	0.311	---	3
4	---	---	0.241B	0.708B	0.878	2.04	0.793	0.566	0.283	0.198	0.311	---	4
5	---	---	0.241B	0.680	1.10	1.95	0.736	0.510	0.272	0.224	0.311	---	5
6	---	---	0.255B	0.793	1.39	1.98	0.708	0.510	0.266	0.244	---	---	6
7	---	---	0.283B	0.736B	1.39	1.98	0.736	0.481	0.249	0.229	---	---	7
8	---	---	0.396B	0.680B	1.36	1.87	0.708	0.453	0.201	0.227	---	---	8
9	---	---	0.510B	0.623	1.53	1.84	0.680	0.538	0.156	0.221	---	---	9
10	---	---	0.566B	0.595	1.33	1.78	0.708	0.510	0.125	0.221	---	---	10
11	---	---	0.623B	0.595	1.30	1.70	0.736	0.425	0.110	0.283	---	---	11
12	---	---	0.680B	0.595	1.33	1.76	0.765	0.396	0.091	0.368	---	---	12
13	---	---	0.708B	0.595	1.13	3.03	0.821	0.340	0.088	0.368	---	---	13
14	---	---	0.793B	0.595	0.991	4.39	0.878	0.396	0.099	0.425	---	---	14
15	---	---	0.906B	0.680	3.68	4.28	0.793	0.425	0.110	0.510	---	---	15
16	---	---	0.793B	0.934	8.83	2.61	0.793	0.340	0.110	0.453	---	---	16
17	---	---	0.708B	1.19	4.45	2.01	0.793	0.311	0.105	0.368	---	---	17
18	---	---	0.623B	1.13	3.71	1.78	0.765	0.280	0.091	0.340	---	---	18
19	---	---	0.538B	1.08	4.19	1.67	0.680	0.278	0.093	0.278	---	---	19
20	---	---	0.481B	1.08	3.77	1.59	0.595	0.283	0.079	0.311	---	---	20
21	---	---	0.453B	1.10	5.72	1.61	0.538	0.368	0.088	0.340	---	---	21
22	---	---	0.453B	1.16	5.52	1.61	0.566	0.340	0.108	0.340	---	---	22
23	---	---	0.481B	1.10	5.52	1.50	0.595	0.283	0.130	0.340	---	---	23
24	---	---	0.538B	1.08	4.64	1.42	0.793	0.252	0.153	0.396	---	---	24
25	---	---	0.651B	1.13	4.36	1.30	2.49	0.215	0.156	0.425	---	---	25
26	---	---	0.850B	1.10	5.27	1.19	2.66	0.184	0.212	0.425	---	---	26
27	---	---	0.850B	0.991	3.82	1.13	1.42	0.164	0.238	0.396	---	---	27
28	---	---	0.906B	0.934	3.11	1.16	1.08	0.150	0.244	0.368	---	---	28
29	---		1.33 B	0.850	2.83	1.16	0.963	0.130	0.204	0.340	---	---	29
30	---		1.27 B	0.878	2.63	1.08	0.793	0.164	0.187	0.311	---	---	30
31	---		1.05 B		2.46		0.680	0.340		0.311		---	31
TOTAL	---	---	18.900	26.331	90.957	58.27	28.126	11.387	5.138	9.831	---	---	TOTAL
MEAN	---	---	0.610	0.878	2.93	1.94	0.907	0.367	0.171	0.317	---	---	MEAN
MAX	---	---	1.33	1.19	8.83	4.39	2.66	0.623	0.340	0.510	---	---	MAX
MIN	---	---	0.241	0.595	0.878	1.08	0.538	0.130	0.079	0.181	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.02
MAXIMUM DAILY, 8.83 ON MAY 16
MINIMUM DAILY, 0.079 ON SEP 20
MAXIMUM INSTANTANEOUS,
12.3 AT 02:15 MDT ON MAY 16

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 45 20 N
LONG 113 10 00 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 430
FEB	---	AUG	984
MAR	1 630	SEP	444
APR	2 270	OCT	849
MAY	7 860	NOV	---
JUN	5 030	DEC	---

TOTAL DISCHARGE, 21 500 dam³

SOUTH HEART RESERVOIR NEAR MCLENNAN - STATION NO. 07BF008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	3.761A	4.023	3.992	3.868	3.630	3.434	---	---	1
2	---	---	---	---	3.807E	4.021	3.984	3.866	3.631	3.423	---	---	2
3	---	---	---	---	3.852E	4.015	3.971	3.857	3.618	3.425	---	---	3
4	---	---	---	---	3.898A	3.990	3.964	3.850	3.603	3.425	---	---	4
5	---	---	---	---	3.943A	4.007	3.973	3.842	3.595	3.423	---	---	5
6	---	---	---	---	3.974A	4.008	3.959	3.834	3.586	3.425	---	---	6
7	---	---	---	---	3.989E	3.992	3.953	3.828	3.587	3.423	---	---	7
8	---	---	---	---	4.004A	4.005	3.924	3.825	3.579	3.412	---	---	8
9	---	---	---	---	4.012E	4.001	3.934	3.818	3.566	3.405	---	---	9
10	---	---	---	---	4.021E	3.998	3.935	3.810	3.548	3.400	---	---	10
11	---	---	---	---	4.029A	4.002	3.927	3.800	3.536	3.398	---	---	11
12	---	---	---	---	4.042A	3.998	3.923	3.782	3.535	3.398	---	---	12
13	---	---	---	3.316A	4.051E	3.993	3.925	3.775	3.536	3.390	---	---	13
14	---	---	---	---	4.059A	3.985	3.924	3.769	3.535	3.389	---	---	14
15	---	---	---	---	4.061E	3.982	3.918	3.761	3.532	3.380	---	---	15
16	---	---	---	---	4.062E	3.988	3.921	3.754	3.528	3.386	---	---	16
17	---	---	---	---	4.064E	3.988	3.916	3.746	3.525	3.387	---	---	17
18	---	---	---	---	4.065A	3.993	3.911	3.743	3.521	3.369	---	---	18
19	---	---	3.090A	---	4.072E	4.001	3.910	3.732	3.495	3.374	---	---	19
20	---	---	---	---	4.078A	4.006	3.906	3.721	3.496	3.367	---	---	20
21	---	---	---	---	4.074	4.001	3.917	3.713	3.498	3.367	---	---	21
22	---	---	---	3.395A	4.070	4.010	3.929	3.707	3.497	3.362	---	---	22
23	---	---	---	---	4.068	4.013	3.922	3.706	3.491	3.353	---	---	23
24	---	---	---	---	4.070	4.004	3.916	3.704	3.486	3.359	---	---	24
25	---	---	---	---	4.060	4.013	3.910	3.696	3.479	3.362	---	---	25
26	---	---	---	3.547A	4.038	3.999	3.908	3.678	3.477	3.362	---	---	26
27	---	---	---	---	4.037	4.004	3.906	3.647	3.482	3.364A	---	---	27
28	---	---	---	---	4.035	4.004	3.907	3.644	3.468	3.366E	---	---	28
29	---		---	3.639A	4.038	4.004	3.901	3.647	3.454	3.368E	---	---	29
30	---		---	---	4.034	3.995	3.890	3.643	3.451	3.370E	---	---	30
31	---		---		4.026		3.880	3.642		3.372E		---	31
MEAN	---	---	---	---	4.013	4.001	3.928	3.755	3.532	3.388	---	---	MEAN
MAX	---	---	---	---	4.078	4.023	3.992	3.868	3.631	3.434	---	---	MAX
MIN	---	---	---	---	3.761	3.982	3.880	3.642	3.451	3.353	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 41 00 N
LONG 116 35 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 622.058 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	100 B	105 B	160B	120A	168E	1 130	345E	322A	142	44.5	44.1	22.0B	1
2	80.0B	104 B	157B	118E	155A	969	398A	328A	147	47.2	38.5	45.0B	2
3	110 B	103 B	147B	118E	149A	860	377A	320A	141	47.5	39.3	67.0B	3
4	175 B	100 B	140B	133A	141E	843	397A	374A	136	50.7	55.1	54.0B	4
5	150 B	97.0B	134B	130E	140A	854	371A	400A	143	50.1	95.8	52.0B	5
6	122 B	103 B	127B	128E	152E	842	384A	368	126	45.7	72.1	55.0B	6
7	100 B	109 B	121B	141A	191A	767	407A	310	131	43.7	132	53.0B	7
8	115 B	108 B	118B	142E	191E	722	377A	302	126	42.5	109	54.0B	8
9	110 B	114 B	114B	146A	167A	668	371A	304	127	41.4	112	58.0B	9
10	110 B	113 B	112B	139E	146A	621	416A	284	107	41.3	112	63.0B	10
11	105 B	108 B	109B	131A	152E	575	429A	264	104	42.7	102	67.0B	11
12	118 B	106 B	107B	127A	221A	539	382A	256	95.8	43.4	91.5	69.0B	12
13	135 B	110 B	106B	125E	282E	502	360A	227	95.3	44.0	84.4	57.0B	13
14	150 B	102 B	104B	123A	280E	470	331A	236	84.2	44.7	86.7	23.0B	14
15	150 B	92.0B	113B	122E	278A	470	330A	232	66.7	45.6	93.9	37.0B	15
16	142 B	84.0B	127E	121A	241E	589	291A	224	67.4	45.9	92.9	53.0B	16
17	130 B	75.0B	136E	121E	224A	1 000	281E	222	73.6	45.1	97.4	51.0B	17
18	120 B	104 B	142E	120A	224E	888	271A	209	72.1	44.3	93.3	48.0B	18
19	114 B	123 B	142E	122A	626A	792	322A	206	65.8	42.8	92.7	44.0B	19
20	107 B	142 B	130E	121E	632A	759	345E	226	91.5	42.2	94.9	44.0B	20
21	100 B	171 B	135E	121A	584A	680	367A	221	66.7	41.7	94.9	50.0B	21
22	103 B	176 B	131A	120E	727A	611	384A	201	55.6	40.3	93.9	57.0B	22
23	108 B	186 B	125E	119A	704A	579	501A	198	58.2	38.6	94.4	56.0B	23
24	122 B	197 B	110E	118E	1 140A	530A	489A	218	51.0	37.0	93.2	54.0B	24
25	140 B	188 B	108E	116A	1 540A	507A	358A	205	47.1	36.2	92.1	53.0B	25
26	132 B	181 B	118E	116A	1 550A	462A	348A	161	47.5	35.6	73.4	53.0B	26
27	120 B	173 B	126E	119E	1 440A	429A	332A	163	44.2	35.2	75.9	55.0B	27
28	110 B	165 B	133A	121A	1 500A	357A	366A	185	66.4	44.8	81.0B	46.0B	28
29	106 B		131E	128E	1 630	325E	385A	156	61.4	45.1	70.3B	37.0B	29
30	103 B		128E	167A	1 460	293A	400A	141	49.4	45.2	34.9B	33.0B	30
31	110 B		122E		1 300		355A	141		45.8		32.0B	31
TOTAL	3 697.0	3 539.0	3 913	3 793	18 335	19 633	11 470	7 604	2 689.9	1 340.8	2 543.6	1 542.0	TOTAL
MEAN	119	126	126	126	591	654	370	245	89.7	43.3	84.8	49.7	MEAN
MAX	175	197	160	167	1 630	1 130	501	400	147	50.7	132	69.0	MAX
MIN	80.0	75.0	104	116	140	293	271	141	44.2	35.2	34.9	22.0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 219
MAXIMUM DAILY, 1 630 ON MAY 29
MINIMUM DAILY, 22.0B ON DEC 1
MAXIMUM INSTANTANEOUS,
1 650 AT 11:40 MST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 15 N
LONG 110 05 45 W
DRAINAGE AREA, 66 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	319 000	JUL	991 000
FEB	306 000	AUG	657 000
MAR	338 000	SEP	232 000
APR	328 000	OCT	116 000
MAY	1 580 000	NOV	220 000
JUN	1 700 000	DEC	133 000

TOTAL DISCHARGE, 6 920 000 dam³

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	110B	103 B	147 B	92.0	123	1 010	407	293	145	42.1	39.5	67.0B	1
2	175B	100 B	140 B	95.7	120	911	397	289	122	46.6	45.7	54.0B	2
3	150B	97.0B	134 B	106	119	930	400	341	143	48.1	109	52.0B	3
4	122B	103 B	127 B	98.6	122	944	389	335	123	40.0	75.7	55.0B	4
5	100B	109 B	121 B	107	162	891	409	309	124	38.9	121	53.0B	5
6	115B	108 B	118 B	113	160	813	408	305	123	37.8	122	54.0B	6
7	110B	114 B	114 B	116	156	764	395	312	123	37.0	117	58.0B	7
8	110B	113 B	112 B	112	134	709	389	318	119	37.9	118	63.0B	8
9	105B	108 B	109 B	108	150	677	422	272	116	37.4	111	67.0B	9
10	118B	106 B	107 B	106	187	622	431	265	112	36.1	106	69.0B	10
11	135B	110 B	106 B	106	237	581	390	243	108	39.2	101	57.0B	11
12	150B	102 B	104 B	104	278	529	350	217	103	41.1	88.3	23.0B	12
13	150B	92.0B	113 B	103	277	487	327	255	82.5	42.9	97.9	37.0B	13
14	142B	84.0B	120	104	267	486	310	253	73.9	42.9	95.3	53.0B	14
15	130B	75.0B	124	100 A	226	557	266	261	84.2	42.2	98.8	51.0B	15
16	120B	104 B	125	104 A	198	1 010	265	268	83.4	41.1	94.0	48.0B	16
17	114B	123 B	111	110 A	202	947	213	259	76.7	39.7	90.7	44.0B	17
18	107B	142 B	117	104 A	629	839	293	262	95.5	39.6	94.9	44.0B	18
19	100B	171 B	115	103 A	733	784	452	274	87.0	40.5	93.6	50.0B	19
20	103B	176 B	108	99.5A	668	736	405	215	62.7	38.9	92.6	57.0B	20
21	108B	186 B	94.9	97.8A	758	653	381	186	66.9	37.8	93.9	56.0B	21
22	122B	197 B	95.2	101 A	764	611	358	195	56.7	36.5	91.8	54.0B	22
23	140B	188 B	89.3	99.5A	989	573	351	208	50.8	36.4	88.7	53.0B	23
24	132B	181 B	90.5	95.8A	1 550	523	354	188	49.8	35.5	80.1	53.0B	24
25	120B	173 B	93.1	95.2A	1 690	477	349	140	45.7	36.0	75.1	55.0B	25
26	110B	165 B	93.2	95.8A	1 570	428	339	175	63.0	49.7	81.0	46.0B	26
27	106B	160 B	95.4	102 A	1 510	370	374	171	70.9	42.8	70.3	37.0B	27
28	103B	157 B	99.6	145 A	1 670	321	384	142	47.4	45.6	34.9	33.0B	28
29	110B		93.9	140	1 580	293	381	139	40.7	45.6	22.0B	32.0B	29
30	105B		93.6	130	1 340	397	316	135	42.5	43.4	45.0B	33.0B	30
31	104B		92.4		1 160		296	138		36.8		34.0B	31
TOTAL	3 726	3 647.0	3 403.1	3 193.9	19 729	19 873	11 201	7 363	2 641.3	1 256.1	2 594.8	1 542.0	TOTAL
MEAN	120	130	110	106	636	662	361	238	88.0	40.5	86.5	49.7	MEAN
MAX	175	197	147	145	1 690	1 010	452	341	145	49.7	122	69.0	MAX
MIN	100	75.0	89.3	92.0	119	293	213	135	40.7	35.5	22.0	23.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 220
MAXIMUM DAILY, 1 690 ON MAY 25
MINIMUM DAILY, 22.0B ON NOV 29
MAXIMUM INSTANTANEOUS,
1 720 AT 02:30 MST ON MAY 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 35 N
LONG 110 40 40 W
DRAINAGE AREA, 56 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	322 000	JUL	968 000
FEB	315 000	AUG	636 000
MAR	294 000	SEP	228 000
APR	276 000	OCT	109 000
MAY	1 700 000	NOV	224 000
JUN	1 720 000	DEC	133 000

TOTAL DISCHARGE, 6 930 000 dam³

SOUTH WABASCA LAKE NEAR DESMARAIS - STATION NO. 07JA002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	0.385	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	0.527	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	0.248	---	---	28
29	---		---	0.476	---	---	---	---	---	---	---	---	29
30	---		---	---	---	0.539	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 56 30 N
LONG 113 45 50 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.3	21.0	16.7	17.0	11.3	25.8	28.0	31.7	33.7	0.283	2.83	1.42	1
2	17.3	21.0	16.7	17.3	15.3	24.9	31.4	33.7	34.5	0.283	2.55	1.13	2
3	17.0	20.4	17.0	15.3	13.0	32.3	33.4	30.3	34.3	0.283	0.283	0.283	3
4	14.2	20.4	17.0	14.7	6.80	30.0	30.6	30.3	32.3	0.283	0.283	0.283	4
5	16.7	21.2	17.0	15.3	7.08	31.7	34.3	34.0	32.3	0.283	0.283	1.13	5
6	22.7	19.5	17.0	24.9	4.81	31.7	32.8	34.0	34.0	1.42	2.83	0.283	6
7	22.1	21.0	17.0	19.8	2.83	31.4	32.0	29.7	33.4	0.283	0.283	0.283	7
8	24.4	20.1	17.0	23.8	6.23	27.2	28.0	26.6	34.3	1.70	1.70	0.850	8
9	14.4	22.7	17.3	25.5	3.11	27.2	30.3	30.3	34.5	0.283	1.13	1.70	9
10	14.2	23.8	17.0	24.4	0.283	18.7	31.1	32.8	31.4	0.283	0.283	1.70	10
11	14.7	24.4	19.3	21.8	15.6	31.1	27.2	32.3	37.4	0.283	0.283	0.283	11
12	17.6	22.9	20.4	16.7	29.7	31.7	23.8	31.1	33.7	1.13	0.283	0.283	12
13	20.7	22.7	19.8	22.7	23.2	28.6	18.7	30.3	36.0	0.283	1.98	1.13	13
14	20.1	16.7	21.8	21.2	31.4	30.9	19.5	32.8	33.4	0.283	0.283	0.566	14
15	21.2	14.7	19.8	20.4	32.6	17.0	32.0	32.3	33.7	0.283	0.283	3.40	15
16	20.7	15.9	19.8	20.4	32.8	26.1	27.8	34.3	36.0	1.42	0.283	1.98	16
17	21.2	17.3	19.3	12.7	30.9	32.0	31.7	29.2	30.3	0.283	0.850	3.68	17
18	17.6	13.0	23.8	13.0	34.5	29.4	35.1	30.6	8.78	0.283	0.283	9.06	18
19	20.1	17.0	22.1	15.3	27.2	31.1	35.1	32.0	5.38	0.566	0.283	6.80	19
20	19.5	19.5	22.1	16.1	29.4	30.0	35.4	30.3	3.68	0.283	1.70	6.23	20
21	23.2	19.5	21.2	11.0	33.1	29.2	35.4	29.4	6.51	0.850	0.283	7.93	21
22	20.7	19.8	13.9	21.2	33.7	28.3	33.4	31.4	7.93	0.283	1.70	15.6	22
23	20.4	19.5	11.9	22.1	33.7	27.5	35.1	28.6	3.40	0.283	0.283	14.2	23
24	20.4	21.8	20.1	9.63	32.8	32.6	34.3	31.4	0.283	1.70	0.283	18.7	24
25	19.0	19.8	17.6	8.78	35.1	31.1	33.1	32.3	0.283	0.283	2.27	17.0	25
26	17.8	16.7	22.9	8.78	36.0	27.5	34.8	28.9	0.283	0.283	0.283	19.3	26
27	19.8	16.7	22.7	18.1	37.1	25.5	33.4	34.8	0.283	0.283	0.283	17.8	27
28	20.1	16.7	15.9	11.0	36.2	32.8	32.0	33.4	0.283	0.850	0.283	17.0	28
29	19.5		17.8	11.3	34.0	30.0	21.2	34.0	0.283	0.283	0.283	17.0	29
30	21.2		18.4	18.4	28.0	27.8	31.4	33.7	0.283	1.70	1.13	17.6	30
31	21.8		17.8		29.2		34.5	31.4		0.283		18.7	31
TOTAL	597.6	545.7	578.1	518.59	726.943	861.1	956.8	977.9	612.861	17.562	26.047	223.304	TOTAL
MEAN	19.3	19.5	18.6	17.3	23.4	28.7	30.9	31.5	20.4	0.567	0.868	7.20	MEAN
MAX	24.4	24.4	23.8	25.5	37.1	32.8	35.4	34.8	37.4	1.70	2.83	19.3	MAX
MIN	14.2	13.0	11.9	8.78	0.283	17.0	18.7	26.6	0.283	0.283	0.283	0.283	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.2
MAXIMUM DAILY, 37.4 ON SEP 11
MINIMUM DAILY, 0.283 ON MAY 10

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 51 05 20 N
LONG 115 22 25 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	51 600	JUL	82 700
FEB	47 100	AUG	84 500
MAR	49 900	SEP	53 000
APR	44 800	OCT	1 520
MAY	62 800	NOV	2 250
JUN	74 400	DEC	19 300

TOTAL DISCHARGE, 574 000 dam³

SPRAY RESERVOIR AT THREE SISTERS DAM - STATION NO. 05BC006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1699.08	1696.79	1694.41	1691.55	1689.14	1690.73	1692.13	1694.69	1693.29	1691.94	1692.98	1693.59	1
2	1699.02	1696.70	1694.32	1691.46	1689.11	1690.91	1692.25	1694.69	1693.16	1692.01	1693.01	1693.59	2
3	1698.96	1696.61	1694.26	1691.37	1689.08	1691.09	1692.37	1694.69	1693.07	1692.04	1693.04	1693.59	3
4	1698.89	1696.52	1694.17	1691.30	1689.11	1691.21	1692.55	1694.72	1692.95	1692.10	1693.04	1693.62	4
5	1698.83	1696.43	1694.08	1691.24	1689.17	1691.34	1692.77	1694.69	1692.86	1692.13	1693.07	1693.62	5
6	1698.77	1696.33	1694.02	1691.15	1689.20	1691.40	1692.92	1694.69	1692.74	1692.19	1693.10	1693.65	6
7	1698.71	1696.24	1693.96	1690.97	1689.26	1691.49	1693.07	1694.69	1692.65	1692.22	1693.10	1693.65	7
8	1698.59	1696.15	1693.87	1690.88	1689.26	1691.52	1693.19	1694.69	1692.52	1692.25	1693.13	1693.68	8
9	1698.53	1696.06	1693.77	1690.73	1689.29	1691.58	1693.22	1694.69	1692.37	1692.28	1693.16	1693.68	9
10	1698.50	1695.97	1693.71	1690.60	1689.35	1691.58	1693.26	1694.66	1692.28	1692.31	1693.19	1693.65	10
11	1698.44	1695.88	1693.62	1690.48	1689.29	1691.61	1693.29	1694.63	1692.16	1692.34	1693.22	1693.62	11
12	1698.38	1695.75	1693.53	1690.39	1689.14	1691.61	1693.35	1694.63	1692.01	1692.37	1693.22	1693.65	12
13	1698.32	1695.66	1693.44	1690.30	1689.05	1691.70	1693.44	1694.57	1691.88	1692.40	1693.26	1693.65	13
14	1698.22	1695.60	1693.35	1690.15	1688.90	1691.73	1693.56	1694.54	1691.73	1692.43	1693.29	1693.65	14
15	1698.13	1695.51	1693.22	1690.06	1688.74	1691.85	1693.65	1694.51	1691.61	1692.46	1693.29	1693.65	15
16	1698.07	1695.48	1693.13	1689.93	1688.59	1691.85	1693.77	1694.47	1691.46	1692.49	1693.32	1693.65	16
17	1697.98	1695.42	1693.04	1689.87	1688.47	1691.88	1693.90	1694.41	1691.40	1692.55	1693.32	1693.65	17
18	1697.92	1695.33	1692.92	1689.81	1688.35	1691.88	1693.96	1694.38	1691.40	1692.58	1693.35	1693.65	18
19	1697.83	1695.27	1692.80	1689.75	1688.29	1691.88	1694.02	1694.32	1691.43	1692.62	1693.38	1693.62	19
20	1697.77	1695.18	1692.68	1689.66	1688.26	1691.85	1694.08	1694.26	1691.46	1692.65	1693.41	1693.59	20
21	1697.46	1695.08	1692.58	1689.63	1688.35	1691.82	1694.14	1694.20	1691.52	1692.68	1693.41	1693.53	21
22	1697.58	1695.02	1692.49	1689.51	1688.53	1691.82	1694.17	1694.14	1691.58	1692.71	1693.44	1693.44	22
23	1697.52	1694.93	1692.46	1689.41	1688.71	1691.79	1694.23	1694.08	1691.61	1692.74	1693.44	1693.41	23
24	1697.43	1694.81	1692.37	1689.38	1689.02	1691.73	1694.29	1693.99	1691.64	1692.77	1693.47	1693.29	24
25	1697.37	1694.75	1692.25	1689.38	1689.20	1691.70	1694.32	1693.90	1691.70	1692.80	1693.47	1693.22	25
26	1697.31	1694.63	1692.13	1689.35	1689.51	1691.73	1694.35	1693.87	1691.76	1692.83	1693.50	1693.13	26
27	1697.22	1694.57	1692.01	1689.26	1689.81	1691.82	1694.35	1693.77	1691.79	1692.86	1693.50	1693.04	27
28	1697.13	1694.47	1691.91	1689.23	1689.99	1691.82	1694.41	1693.65	1691.82	1692.89	1693.53	1692.98	28
29	1697.07		1691.79	1689.20	1690.18	1691.85	1694.54	1693.56	1691.88	1692.92	1693.56	1692.89	29
30	1696.97		1691.70	1689.14	1690.33	1691.91	1694.63	1693.47	1691.91	1692.98	1693.56	1692.80	30
31	1696.88		1691.61		1690.54		1694.63	1693.41		1692.98		1692.71	31
MEAN	1698.03	1695.61	1693.08	1690.17	1689.14	1691.62	1693.64	1694.31	1692.05	1692.50	1693.29	1693.46	MEAN
MAX	1699.08	1696.79	1694.41	1691.55	1690.54	1691.91	1694.63	1694.72	1693.29	1692.98	1693.56	1693.68	MAX
MIN	1696.88	1694.47	1691.61	1689.14	1688.26	1690.73	1692.13	1693.41	1691.40	1691.94	1692.98	1692.71	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1693.07
MAXIMUM DAILY, 1699.08 ON JAN 1
MINIMUM DAILY, 1688.26 ON MAY 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 59 00 N
LONG 115 22 00 W

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SPRAY RIVER AT BANFF - STATION NO. 05BC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.96B	1.43 B	1.27B	1.34E	2.13	11.6	8.41	7.74	3.30	2.33	2.00E	1.33B	1
2	1.95B	1.38 B	1.27B	1.35E	2.43	12.1	7.93	7.34	3.27	2.45	2.00E	1.32B	2
3	1.94B	1.33 B	1.27B	1.36E	2.39	12.2	8.06	7.18	3.18	2.43	1.99E	1.31B	3
4	1.93B	1.28 B	1.27B	1.37E	2.44	11.0	8.79	6.96	3.11	2.36	1.99E	1.30B	4
5	1.92B	1.23 B	1.27B	1.38E	2.70	10.1	8.77	6.55	3.05	2.32	1.99E	1.28B	5
6	1.90B	1.16 B	1.27B	1.38E	2.70	9.80	8.43	6.23	2.96	2.29	1.98E	1.27B	6
7	1.88B	1.08 B	1.27B	1.39A	2.78	9.32	8.12	6.05	2.89	2.27	1.97E	1.25B	7
8	1.86B	1.01 B	1.27B	1.40E	2.82	8.67	7.33	5.90	2.82	2.26	1.96E	1.24B	8
9	1.83B	0.960B	1.26B	1.40E	2.90	8.16	6.64	5.69	2.80	2.27	1.95E	1.23B	9
10	1.81B	0.970B	1.26B	1.40E	3.04	7.63	6.14	5.51	2.79	2.25	1.93E	1.22B	10
11	1.80B	0.980B	1.26B	1.40E	3.13	7.24	5.74	5.33	2.74	2.23	1.91E	1.22B	11
12	1.82B	0.990B	1.25B	1.41E	3.33	6.83	5.57	5.27	2.70	2.22	1.89E	1.22B	12
13	1.88B	1.00 B	1.25B	1.41E	3.30	7.22	5.61	5.56	2.69	2.16	1.87E	1.22B	13
14	1.93B	1.01 B	1.25B	1.42E	3.59	7.47	8.23	4.90	2.63	2.16	1.83E	1.23B	14
15	1.99B	1.02 B	1.24B	1.42E	4.58	7.32	9.01	4.72	2.61	2.11	1.79E	1.25B	15
16	2.13B	1.03 B	1.24B	1.42E	4.54	7.46	9.40	4.77	2.57	2.08	1.76E	1.27B	16
17	2.26B	1.04 B	1.24B	1.43E	4.47	7.19	9.36	5.39	2.55	2.09	1.72E	1.29B	17
18	2.40B	1.06 B	1.24B	1.44E	4.82	6.84	8.94	5.17	2.55	2.08	1.69E	1.30B	18
19	2.35B	1.07 B	1.24B	1.46E	6.00	6.50	8.88	4.26	2.60	2.10	1.65E	1.32B	19
20	2.00B	1.10 B	1.24B	1.48E	7.28	6.17	8.32	4.04	2.58	2.07	1.62B	1.33B	20
21	1.84B	1.14 B	1.24B	1.50E	9.74	5.96	8.21	3.99	2.58	1.92	1.59B	1.34B	21
22	1.67B	1.16 B	1.23B	1.53E	11.3	5.75	7.79	3.92	2.56	1.89	1.56B	1.34B	22
23	1.62B	1.22 B	1.23B	1.57E	12.5	5.56	8.78	4.48	2.50	2.00	1.52B	1.33B	23
24	1.60B	1.23 B	1.23B	1.61E	13.7	5.34	8.36	4.27	2.46	2.01	1.49B	1.32B	24
25	1.59B	1.24 B	1.23B	1.64E	14.5	5.33	8.07	3.57	2.44	2.00	1.46B	1.31B	25
26	1.58B	1.25 B	1.24B	1.67E	15.7	5.95	7.55	3.51	2.46	2.08	1.44B	1.30B	26
27	1.57B	1.26 B	1.26B	1.70E	14.3	6.75	7.24	3.46	2.44	2.06	1.41B	1.28B	27
28	1.55B	1.27 B	1.28B	1.73E	12.3	6.28	7.11	3.39	2.41	2.02A	1.38B	1.26B	28
29	1.53B		1.30B	1.77A	10.9	6.09	7.52	3.35	2.39	2.01E	1.36B	1.24B	29
30	1.50B		1.32B	1.76	10.8	6.60	8.50	3.49	2.36	2.00E	1.34B	1.22B	30
31	1.48B		1.33B		11.9		8.13	3.32		2.00E		1.21B	31
TOTAL	57.07	31.900	39.02	44.54	209.01	230.43	244.94	155.31	80.99	66.52	52.04	39.55	TOTAL
MEAN	1.84	1.14	1.26	1.48	6.74	7.68	7.90	5.01	2.70	2.15	1.73	1.28	MEAN
MAX	2.40	1.43	1.33	1.77	15.7	12.2	9.40	7.74	3.30	2.45	2.00	1.34	MAX
MIN	1.48	0.960	1.23	1.34	2.13	5.33	5.57	3.32	2.36	1.89	1.34	1.21	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.43
MAXIMUM DAILY, 15.7 ON MAY 26
MINIMUM DAILY, 0.960B ON FEB 9
MAXIMUM INSTANTANEOUS,
16.9 AT 22:10 MST ON MAY 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 115 33 00 W
DRAINAGE AREA, 749 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1949

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 930	JUL	21 200
FEB	2 760	AUG	13 400
MAR	3 370	SEP	7 000
APR	3 850	OCT	5 750
MAY	18 100	NOV	4 500
JUN	19 900	DEC	3 420

TOTAL DISCHARGE, 108 000 dam³

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.091B	0.283	0.101	0.006	0.003	0.001	0.001	---	---	1
2	---	0.002B	0 B	0.126	0.240	0.106	0.006	0.002	0.001	0	0.001B	---	2
3	---	---	---	0.179	0.206	0.082	0.005	0.002	0	0.001	---	---	3
4	---	---	---	0.249	0.197	0.046	0.005	0.002	0.001	0	---	---	4
5	0.009B	---	0 B	0.175	0.163	0.033	0.007	0.002	0.001	0.001	---	---	5
6	---	---	---	0.159	0.150	0.033	0.004	0.002	0.001	0	---	---	6
7	---	---	---	0.161	0.151	0.030	0.003	0.001	0.001	0	---	---	7
8	---	---	---	0.172	0.155	0.025	0.003	0.001	0.001	0	---	---	8
9	---	0.002B	0 B	0.271	0.153	0.023	0.003	0.001	0.001	0	0.001B	---	9
10	---	---	0.001B	0.314	0.148	0.020	0.003	0	0.001	0	---	---	10
11	---	---	0.001B	0.265	0.124	0.026	0.002	0	0.001	0	---	---	11
12	0.032B	---	---	0.226E	0.107	0.046	0.002	0	0	0	---	---	12
13	---	---	0.001B	0.189E	0.089	0.106	0.002	0	0	0	---	---	13
14	---	---	0.001B	0.155	0.094	0.073	0.002	0.001	0.001	0	---	---	14
15	---	---	0.001B	0.163	0.092	0.045	0.002	0.001	0	0.001	---	---	15
16	---	0.001B	0.002B	0.235	0.076	0.041	0.002	0.001	0	0.002	---	---	16
17	---	---	0.002B	0.280	0.063	0.037	0.002	0.001	0.001	0	---	---	17
18	---	---	0.002B	0.319	0.059	0.040	0.002	0.001	0.001	0.001	---	---	18
19	0.007B	---	0.003B	0.452	0.060	0.043	0.002	0.001	0.001	0	---	---	19
20	---	0 B	0.003B	0.630	0.060	0.026	0.001	0.001	0.001	0	---	---	20
21	---	---	0.003B	0.857	0.049	0.020	0.007	0.001	0.001	0	---	---	21
22	---	---	0.003B	1.07	0.055	0.015	0.026	0.003	0	0	---	---	22
23	---	0.001B	0.003B	0.989	0.091	0.014	0.030	0.003	0	0	---	---	23
24	---	---	0.003B	0.858	0.100	0.013	0.017	0.001	0.001	0	---	---	24
25	---	---	0.004B	0.679	0.058	0.011	0.015	0	0	0.001	---	---	25
26	0.001B	---	0.005B	0.571	0.048	0.009	0.015	0.001	0	0.001B	---	---	26
27	---	---	0.008B	0.443	0.052	0.008	0.008	0.001	0	0.001B	---	---	27
28	---	---	0.011B	0.405	0.053	0.008	0.008	0.001	0	0.001B	---	---	28
29	---		0.017B	0.468	0.045	0.007	0.007	0.001	0.001	0.001B	---	---	29
30	---		0.018B	0.331	0.044	0.007	0.007	0	0	0.001B	---	---	30
31	---		0.035B		0.082		0.011	0		0.001B		---	31
TOTAL	---	---	---	11.482	3.347	1.094	0.215	0.035	0.018	0.014	---	---	TOTAL
MEAN	---	---	---	0.383	0.108	0.036	0.007	0.001	0.001	0	---	---	MEAN
MAX	---	---	---	1.07	0.283	0.106	0.030	0.003	0.001	0.002	---	---	MAX
MIN	---	---	---	0.091	0.044	0.007	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.07 ON APR 22
MINIMUM DAILY, 0B ON FEB 20
MAXIMUM INSTANTANEOUS,
1.13 AT 16:57 MST ON APR 22

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 46 N
LONG 117 42 20 W
DRAINAGE AREA, 33.4 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18.6
FEB	---	AUG	3.02
MAR	---	SEP	1.56
APR	992	OCT	1.21
MAY	289	NOV	---
JUN	94.5	DEC	---

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.317B	0.820	0.331	0.002	0.003	0	0	0	---	1
2	---	---	---	0.466B	0.664	0.214	0.002	0.003	0	0	0	---	2
3	---	---	---	0.537B	0.583	0.238	0.001	0.004	0	0	0.001	---	3
4	---	---	---	0.725B	0.522	0.143	0.001	0.004	0	0	0	---	4
5	---	---	---	0.795B	0.485	0.088	0.001	0.003	0	0	0	---	5
6	---	---	---	0.955B	0.901E	0.066	0.001	0.002	0	0	0	---	6
7	---	---	---	0.759B	1.67	0.066	0	0.001	0	0	0	0 B	7
8	---	---	---	0.764B	0.637	0.056	0 E	0.001	0	0	0	---	8
9	---	---	---	0.838B	0.478	0.059	0 E	0	0	0	0 B	---	9
10	---	---	0.023B	0.949B	0.477	0.043	0 E	0	0	0	0 B	---	10
11	---	---	0.018B	0.847B	0.362	0.037	0 E	0	0.008	0	0 B	---	11
12	---	---	---	0.787B	0.278	0.044	0 E	0	0	0	0.001B	---	12
13	---	---	---	0.644B	0.229	0.088	0 E	0	0	0	0.001B	---	13
14	---	---	---	0.481B	0.209	0.112	0 E	0	0	0	0.001B	0.001B	14
15	---	---	---	0.531B	0.235	0.067	0 E	0	0	0	0.002B	---	15
16	---	---	---	0.593B	0.203	0.053	0 E	0	0	0	0.001B	---	16
17	---	---	---	0.579B	0.180	0.048	0.002	0	0	0	0.001B	---	17
18	---	---	---	0.619B	0.151	0.038	0	0	0	0	0.001B	---	18
19	---	---	---	0.808B	0.135	0.040	0	0	0	0	---	---	19
20	---	---	---	1.44 B	0.136	0.045	0	0	0	0	---	---	20
21	---	---	---	2.70 B	0.122	0.031	0.014	0	0	0	---	---	21
22	---	---	---	2.43 B	0.114	0.023	0.140	0	0	0	---	---	22
23	---	---	---	2.43 B	0.349	0.017	0.114	0	0	0	0 B	---	23
24	---	---	---	2.50	0.364	0.013	0.092	0	0	0	---	---	24
25	---	---	0.036B	2.19	0.221	0.010	0.030	0	0	0	---	---	25
26	---	---	---	1.68	0.144	0.007	0.018	0	0	0	---	---	26
27	---	---	0.068B	1.37	0.163	0.006	0.010	0	0	0	---	---	27
28	---	---	0.075B	1.19	0.141	0.004	0.008	0	0	0	---	---	28
29	---		0.113B	1.21	0.122	0.003	0.004	0	0	0	---	---	29
30	---		0.199B	0.990	0.090	0.003	0.003	0	0	0	0 B	---	30
31	---		0.222B		0.141		0.004	0		0		---	31
TOTAL	---	---	---	33.124	11.326	1.993	0.443	0.021	0.008	0	---	---	TOTAL
MEAN	---	---	---	1.10	0.365	0.066	0.014	0.001	0	0	---	---	MEAN
MAX	---	---	---	2.70	0.331	0.140	0.004	0.008	0	0	---	---	MAX
MIN	---	---	---	0.317	0.090	0.003	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2.70B ON APR 21
MINIMUM DAILY, 0 ON JUL 7
MAXIMUM INSTANTANEOUS,
4.84 AT 10:30 MST ON APR 21

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 05 N
LONG 117 50 55 W
DRAINAGE AREA, 112 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	38.3
FEB	---	AUG	1.81
MAR	---	SEP	0.69
APR	2 860	OCT	0
MAY	979	NOV	---
JUN	172	DEC	---

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	12.2	15.6	18.5	19.2	18.5	17.1	0	0	---	1
2	---	---	0.003B	11.5	14.9	18.5	19.2	18.4	17.0	0	0	---	2
3	---	---	2.09 B	13.4	15.1	18.6	19.2	18.3	17.0	0	0	---	3
4	---	---	3.48 B	14.4	15.2	19.0	19.2	18.2	17.1	0	0A	---	4
5	---	---	3.41	14.7	15.1	19.4	19.1	18.1	17.0	0	---	---	5
6	---	---	3.59	14.7	15.0	19.5	19.1	18.1	17.0	0	---	---	6
7	---	---	5.39	14.6	14.9	19.5	19.2	18.2	16.9	0	---	---	7
8	---	---	5.52	14.6	14.9	19.4	19.2	18.1	16.9	0	---	---	8
9	---	---	6.26	14.7	14.7	19.4	19.1	18.2	16.9	0	---	---	9
10	---	---	8.37	14.7	14.6	19.3	19.0	18.2	16.9	0	---	---	10
11	---	---	10.1	14.7	14.5	19.3	18.8	18.2	16.9	0	---	---	11
12	---	---	11.2	14.5	14.4	19.6	18.7	18.2	16.9	0	---	---	12
13	---	---	14.0	13.7	14.3	19.5	19.0	18.2	16.8	0	---	---	13
14	---	---	14.8	13.4	14.3	16.8	19.4	18.1	16.9	0	---	---	14
15	---	---	14.8	12.3	14.9	15.0	19.4	18.2	16.8	0	---	---	15
16	---	---	15.0	11.5	15.3	17.9	19.4	18.1	16.9	0	---	---	16
17	---	---	15.5	7.70	15.1	18.0	19.3	17.8	17.5	0	---	---	17
18	---	0B	15.6	3.50	15.1	18.0	19.4	16.5	17.5	0	---	---	18
19	---	0B	15.6	3.41	15.1	18.3	19.5	16.7	17.5	0	---	---	19
20	---	0B	15.6	3.15	15.2	18.3	19.5	17.3	17.5	0	---	---	20
21	---	0B	15.4	2.61	16.6	18.3	19.5	17.2	17.6	0	---	---	21
22	---	0B	15.4	2.60	17.8	18.3	19.4	17.2	17.5	0	---	---	22
23	---	0B	15.8	2.57	16.3	18.3	19.3	17.2	17.5	0	---	---	23
24	---	0B	15.9	2.66	15.2	18.3	19.3	17.1	17.4	0	---	---	24
25	---	0B	16.3	2.51	15.4	18.4	18.5	17.1	17.4	0	---	---	25
26	---	0B	16.8	2.51	16.4	18.5	18.0	17.1	16.9	0	---	---	26
27	---	0B	17.2	3.17	17.7	18.9	18.3	17.1	14.1	0	---	---	27
28	---	0B	17.3	11.2	18.2	18.5	18.4	17.1	8.56	0	---	---	28
29	---		17.2	14.9	18.5	18.7	18.5	17.0	1.51	0	---	---	29
30	---		17.0	15.8	18.3	19.2	18.6	17.1	0.028	0	---	---	30
31	---		15.9		18.3		18.5	17.1		0		---	31
TOTAL	---	---	360.513	297.89	486.9	557.2	590.2	547.9	469.498	0	---	---	TOTAL
MEAN	---	---	11.6	9.93	15.7	18.6	19.0	17.7	15.6	0	---	---	MEAN
MAX	---	---	17.3	15.8	18.5	19.6	19.5	18.5	17.6	0	---	---	MAX
MIN	---	---	0	2.51	14.3	15.0	18.0	16.5	0.028	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 19.6 ON JUN 12
MINIMUM DAILY, 0 ON OCT 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 56 50 N
LONG 113 22 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	51 000
FEB	---	AUG	47 300
MAR	31 100	SEP	40 600
APR	25 700	OCT	0
MAY	42 100	NOV	---
JUN	48 100	DEC	---

TOTAL DISCHARGE, 255 000 dam³

ST. MARY RESERVOIR NEAR SPRING COULEE - STATION NO. 05AE025

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1097.810	1098.245	1099.151	1100.470	1102.001	1102.037	1102.030	1102.321	1101.722	1099.798	1099.559	1099.615	1
2	1097.805	1098.270	1099.183	1100.524	1101.987	1102.060	1102.065	1102.339	1101.638	1099.762	1099.599	1099.612	2
3	1097.783	1098.294	1099.208	1100.571	1101.998	1102.073	1102.109	1102.340	1101.577	1099.751	1099.628	1099.605	3
4	1097.767	1098.321	1099.233	1100.623	1102.046	1102.063	1102.146	1102.334	1101.524	1099.743	1099.640	1099.603	4
5	1097.748	1098.349	1099.252	1100.680	1102.112	1102.052	1102.159	1102.342	1101.478	1099.722	1099.644	1099.605	5
6	1097.721	1098.369	1099.277	1100.724	1102.161	1102.063	1102.177	1102.329	1101.434	1099.671	1099.649	1099.602	6
7	1097.683	1098.397	1099.296	1100.767	1102.172	1102.064	1102.183	1102.291	1101.397	1099.619	1099.643	1099.608	7
8	1097.676	1098.420	1099.314	1100.819	1102.189	1102.065	1102.175	1102.232	1101.355	1099.554	1099.647	1099.603	8
9	1097.689	1098.440	1099.321	1100.876	1102.206	1102.068	1102.185	1102.223	1101.310	1099.446	1099.646	1099.605	9
10	1097.703	1098.449	1099.336	1100.910	1102.180E	1102.063	1102.207	1102.219	1101.248	1099.264	1099.646	1099.617	10
11	1097.707	1098.462	1099.355	1100.951	1102.142A	1102.051	1102.210	1102.214	1101.190	1099.118	1099.647	1099.607	11
12	1097.711	1098.484	1099.355	1100.993	1102.100	1102.005	1102.199	1102.199	1101.127	1098.976	1099.647	1099.602	12
13	1097.714	1098.510	1099.381	1101.040	1102.061	1102.029	1102.166	1102.181	1101.063	1098.837	1099.642	1099.599	13
14	1097.709	1098.539	1099.423	1101.089	1102.020	1102.236	1102.132	1102.165	1100.997	1098.725	1099.641	1099.589	14
15	1097.708	1098.564	1099.478	1101.137	1102.035	1102.369	1102.094	1102.156	1100.934	1098.615	1099.638	1099.585	15
16	1097.739	1098.593	1099.530	1101.188	1102.355	1102.352	1102.089	1102.141	1100.878	1098.501	1099.634	1099.589	16
17	1097.773	1098.634	1099.597	1101.226	1102.474	1102.252	1102.103	1102.118	1100.813	1098.379	1099.633	1099.592	17
18	1097.805	1098.685	1099.653	1101.286	1102.475	1102.153	1102.114	1102.099	1100.753	1098.306	1099.637	1099.588	18
19	1097.844	1098.735	1099.704	1101.347	1102.506	1102.062	1102.125	1102.087	1100.680	1098.240	1099.642	1099.593	19
20	1097.882	1098.788	1099.743	1101.413	1102.573	1102.028	1102.127	1102.074	1100.588	1098.219	1099.645	1099.596	20
21	1097.918	1098.841	1099.784	1101.473	1102.784	1101.997	1102.143	1102.054	1100.511	1098.317	1099.640	1099.594	21
22	1097.953	1098.895	1099.837	1101.534	1103.009	1101.980	1102.162	1102.034	1100.411	1098.459	1099.641	1099.594	22
23	1097.988	1098.944	1099.885	1101.599	1103.109	1101.981	1102.180	1102.012	1100.319	1098.599	1099.642	1099.584	23
24	1098.033	1098.989	1099.936	1101.681	1102.940	1101.957	1102.176	1101.984	1100.231	1098.732	1099.642	1099.580	24
25	1098.068	1099.024	1099.984	1101.739	1102.717	1101.970	1102.185	1101.953	1100.149	1098.878	1099.641	1099.576	25
26	1098.091	1099.059	1100.043	1101.816	1102.508	1101.971	1102.238	1101.929	1100.070	1098.992A	1099.636	1099.576	26
27	1098.110	1099.090	1100.109	1101.894	1102.318	1101.929	1102.290	1101.899	1099.988	1099.108E	1099.625	1099.572	27
28	1098.140	1099.120	1100.175	1101.949	1102.153	1101.932	1102.303	1101.863	1099.934	1099.225A	1099.630	1099.565	28
29	1098.168		1100.241	1101.969	1102.075	1101.968	1102.284	1101.830	1099.876	1099.335	1099.628	1099.556	29
30	1098.192		1100.324	1101.991	1102.096	1102.008	1102.270	1101.781	1099.839	1099.433	1099.616	1099.551	30
31	1098.219		1100.401		1102.059		1102.293	1101.748		1099.505		1099.540	31
MEAN	1097.866	1098.625	1099.629	1101.209	1102.308	1102.061	1102.172	1102.113	1100.834	1099.059	1099.635	1099.590	MEAN
MAX	1098.219	1099.120	1100.401	1101.991	1103.109	1102.369	1102.303	1102.342	1101.722	1099.798	1099.649	1099.617	MAX
MIN	1097.676	1098.245	1099.151	1100.470	1101.987	1101.929	1102.030	1101.748	1099.839	1098.219	1099.559	1099.540	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1100.434
MAXIMUM DAILY, 1103.109 ON MAY 23
MINIMUM DAILY, 1097.676 ON JAN 8
MAXIMUM INSTANTANEOUS,
1103.133 AT 07:45 MST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 46 N
LONG 113 06 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY 0.024 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.5 B	6.80	5.89	4.53	21.4	66.0	45.6	21.7	9.77	12.8	3.28	2.55B	1
2	21.2 B	7.08	5.41	3.96	33.7	59.7	45.9	19.8	9.77	10.9	3.40	2.58B	2
3	20.0 B	6.51	3.06	3.71	38.5	54.4	46.2	18.0	9.66	8.78	3.28	2.58B	3
4	18.5 B	6.51	3.06	4.19	39.4	51.3	45.0	16.1	9.88	7.56	3.23	2.55B	4
5	13.8 B	6.34	3.34	5.44	39.4	51.3	45.0	14.9	9.88	6.54	3.23	2.52B	5
6	11.6 B	6.06	3.71	6.09	37.4	51.0	45.3	14.5	9.77	5.83	3.17	2.55B	6
7	12.0 B	6.17	2.61	5.83	33.7	52.1	46.7	14.6	9.54	5.35	3.23	2.63B	7
8	12.7 B	5.80	2.94	5.69	30.9	51.0	47.3	15.0	8.78	5.35	3.11	2.66B	8
9	12.5 B	5.32	3.23	5.61	28.6	48.1	43.0	15.5	8.35	5.21	3.17	2.66B	9
10	12.0 B	5.15B	2.35	5.21	25.1	43.3	37.7	15.6	8.16	4.67	3.06	2.69B	10
11	11.5 B	5.24B	2.55	5.21	22.1	37.9	32.6	15.3	8.04	4.53	3.00	2.80B	11
12	10.9 B	5.61B	3.60	5.44	18.9	33.7	26.9	15.0	7.76	4.45	2.94	2.83B	12
13	10.3 B	6.00B	3.54	6.00	16.7	34.5	23.8	14.6	7.36	4.39	2.94	2.83B	13
14	9.77B	5.89B	4.33	5.92	15.5	52.1	23.4	14.3	6.99	4.30	2.94	2.75B	14
15	9.49B	5.80B	4.62	6.54	30.9	46.2	23.0	14.3	6.63	4.19	3.17	2.72B	15
16	8.92B	5.95B	4.19	6.37	51.0	36.0	22.6	14.2	6.46	4.05	2.94	2.66B	16
17	8.55B	6.17B	3.54	8.47	45.9	34.0	23.4	14.3	5.61	3.85	3.17	2.58B	17
18	8.33B	6.29B	3.79	10.2	43.3	32.8	23.9	15.3	5.44	3.85	3.23	2.49B	18
19	8.21	6.23B	3.85	9.32	43.3	31.4	25.9	14.6	5.35	3.85	3.06	2.44B	19
20	8.07	6.09B	3.65	8.89	46.2	31.4	27.1	13.6	5.69	3.96	3.23	2.35B	20
21	7.76	6.00B	3.65	9.77	49.8	34.0	28.6	13.1	5.21	3.71	3.23	2.41B	21
22	7.56	5.97B	3.60	10.1	80.1	36.0	26.3	12.6	5.21	3.71	3.40	2.55B	22
23	7.56	5.95B	3.40	11.0	99.4	37.9	23.0	12.3	4.39	3.65	3.17	2.55B	23
24	7.67	5.95	3.60	14.9	96.0	39.1	23.4	11.9	3.91	3.60	2.78	2.46B	24
25	7.48	5.92	3.99	19.8	94.3	39.6	27.3	11.3	3.71	3.71	2.46	2.29B	25
26	7.28	5.89	4.84	28.3	93.4	38.5	22.4	10.7	4.39	3.71	2.44B	2.12B	26
27	7.28	5.72	4.62	32.8	93.2	38.8	18.3	10.0	7.08	3.54	2.44B	2.04B	27
28	7.08	5.80	5.32	28.1	90.0	45.0	18.3	9.66	11.9	3.54	2.46B	1.93B	28
29	7.08		6.17	22.4	83.5	47.6	21.9	9.43	16.5	3.45	2.49B	1.84B	29
30	7.08		6.06	18.4	77.3	47.0	23.2	9.32	15.3	3.45	2.52B	1.76B	30
31	6.99		5.07		71.1		22.1	9.77		3.60		1.70B	31
TOTAL	330.66	168.21	123.58	318.19	1 590.0	1 301.7	955.1	431.28	236.49	154.08	90.17	76.07	TOTAL
MEAN	10.7	6.01	3.99	10.6	51.3	43.4	30.8	13.9	7.88	4.97	3.01	2.45	MEAN
MAX	21.5	7.08	6.17	32.8	99.4	66.0	47.3	21.7	16.5	12.8	3.40	2.83	MAX
MIN	6.99	5.15	2.35	3.71	15.5	31.4	18.3	9.32	3.71	3.45	2.44	1.70	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.8
MAXIMUM DAILY, 99.4 ON MAY 23
MINIMUM DAILY, 1.70B ON DEC 31
MAXIMUM INSTANTANEOUS,
107 AT 22:00 MDT ON MAY 22

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 10 N
LONG 113 18 50 W
DRAINAGE AREA, 1 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 600	JUL	82 500
FEB	14 500	AUG	37 300
MAR	10 700	SEP	20 400
APR	27 500	OCT	13 300
MAY	137 000	NOV	7 790
JUN	112 000	DEC	6 570

TOTAL DISCHARGE, 498 000 dam³

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.1 B	1.00B	1.17	2.61	0.955	28.0 E	2.55	3.41	2.75	3.54	8.70	3.60B	1
2	26.2 B	1.10B	1.32	2.50	0.833	25.5 A	3.37	3.38	2.66	3.37	8.72	3.60B	2
3	27.7 B	1.10B	1.34	1.91	0.756	26.0	3.66	3.42	2.66	3.30	8.66	3.60B	3
4	27.4 B	1.20B	1.32	1.74	0.880	25.6	3.45	3.44	2.79	3.19	8.61	3.60B	4
5	27.8 B	1.20B	1.29	1.55	1.21	19.2	3.51	3.52	2.76	3.18	8.73	3.60B	5
6	26.0 B	1.30B	1.25	1.83	1.25 E	13.9	3.44	3.55	2.72	3.10	8.99	3.70B	6
7	23.9 B	1.30B	1.15	1.53	1.29 E	13.3	3.56	8.03	2.58	3.37	8.91	3.70B	7
8	18.2 B	1.40B	1.33	1.52	1.32 E	13.5	3.40	31.6	2.62	3.62	8.77	3.70B	8
9	13.4 B	1.40B	1.38	1.51	1.36 E	13.9	3.31	7.03	3.02	3.48	8.51	3.70B	9
10	11.7 B	1.50B	1.29	1.37	1.40 E	20.0	3.43	3.27	2.78	3.57	8.48	3.70B	10
11	12.0 B	1.60B	1.28A	1.42	1.43 E	15.5	3.63	3.22	2.88	3.93	8.43	3.70B	11
12	12.2 B	1.60B	1.29E	1.16	1.45 E	15.3	3.67	3.61	2.90	3.87	8.42	3.70B	12
13	11.4 B	1.70B	1.29E	1.20	1.48 A	9.96	3.79	2.97	3.05	3.64	8.29	3.70B	13
14	11.4 B	1.70B	1.30E	1.17	1.38	71.9	3.97	2.99	3.08	3.61	8.25	3.70B	14
15	11.1 B	1.80B	1.31E	1.01	1.60	109	3.33	3.24	3.00	4.26	7.80	3.70B	15
16	5.35 B	1.90B	1.32E	1.04	21.4	100	3.35F	3.16	2.91	4.24	7.42	3.80B	16
17	0.532B	1.80B	1.33E	0.991	106	93.3	3.40E	3.04	2.67	3.95	7.75	3.80B	17
18	0.874B	1.39B	1.34E	1.02	95.3	96.4	3.48E	2.88	2.59	3.65	7.69	3.80B	18
19	1.30 B	1.35B	1.35E	0.981	75.3	86.7	3.54E	3.04	2.38	2.79	6.53	3.80B	19
20	0.888B	2.36B	1.36E	1.02	70.6	e2.9	3.60E	3.14	3.09	2.53	6.28	3.70B	20
21	0.354B	1.87B	1.37E	1.10	11.2	61.6	3.66E	3.05	3.41	2.28	4.60B	3.50B	21
22	0.519B	2.91B	1.37E	1.28	98.3	48.2	3.72E	3.03	3.49	1.85	3.40B	3.40B	22
23	0.249B	2.69B	1.38E	1.90	204	25.9	3.78E	3.08	3.43	1.90	3.40B	3.20B	23
24	0.406B	2.14B	1.38A	1.45	221	26.4	3.84E	3.07	3.48	2.51	3.40B	3.00B	24
25	0.500B	1.81	1.49A	1.30	225	14.8	3.90E	3.03	3.54	3.06	3.40B	2.90B	25
26	0.600B	1.54	1.73	1.16	213 A	7.80	3.95E	2.87	3.60	3.10	3.50B	2.70B	26
27	0.690B	1.72	1.91	1.13	190 E	2.74	4.00E	2.79	3.56	3.25	3.50B	2.60B	27
28	0.750B	1.35	1.91	1.06	117 E	2.91	4.05A	2.70	3.73	3.44	3.50B	2.40B	28
29	0.800B		1.75	1.09	72.0 E	2.72	3.83	2.60	3.68	8.06	3.50B	2.40B	29
30	0.900B		2.12	1.02	72.0 E	2.50	3.55	2.60	3.84	8.95	3.50B	2.40B	30
31	1.00 B		2.69		43.0 E		3.55	2.69		8.80		2.40B	31
TOTAL	305.212	45.71	45.11	41.572	1 853.694	1 055.43	111.27	133.45	91.65	117.39	199.51	104.80	TOTAL
MEAN	9.85	1.63	1.46	1.39	59.8	35.2	3.59	4.30	3.06	3.79	6.65	3.38	MEAN
MAX	29.1	2.91	2.69	2.61	225	109	4.05	31.6	3.84	8.95	8.99	3.80	MAX
MIN	0.249	1.00	1.15	0.981	0.756	2.50	2.55	2.60	2.38	1.85	3.40	2.40	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.2
MAXIMUM DAILY, 225 ON MAY 25
MINIMUM DAILY, 0.249B ON JAN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 34 24 N
LONG 112 50 38 W
DRAINAGE AREA, 3 520 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1911

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	26 400	JUL	9 610
FEB	3 950	AUG	11 500
MAR	3 900	SEP	7 920
APR	3 590	OCT	10 100
MAY	160 000	NOV	17 200
JUN	91 200	DEC	9 050

TOTAL DISCHARGE, 354 000 dam³

STEELE LAKE NEAR JARVIE - STATION NO. 07BC005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	656.953	656.858	657.026	657.144	657.122	657.080	---	---	1
2	---	---	---	---	656.953	656.858	657.031	657.144	657.122	657.077	---	---	2
3	---	---	---	---	656.953	656.862	657.036	657.144	657.122	657.077	---	---	3
4	---	---	---	---	656.953	656.862	657.041	657.149	657.122	657.077	---	---	4
5	---	---	---	---	656.948	656.867	657.046	657.149	657.117	657.077	---	---	5
6	---	---	---	---	656.948	656.867	657.046	657.149	657.117	657.077	---	---	6
7	---	---	---	---	656.948	656.867	657.051	657.149	657.112	657.077	---	---	7
8	---	---	---	---	656.948	656.872	657.056	657.149	657.107	657.077	---	---	8
9	---	---	---	---	656.948	656.877	657.055	657.149	657.102	657.077	---	---	9
10	---	---	---	---	656.948	656.882	657.060	657.149	657.099	657.082	---	---	10
11	---	---	---	---	656.946	656.887	657.060	657.149	657.102	657.082	---	---	11
12	---	---	---	---	656.943	656.892	657.065	657.149	657.102	657.082	---	---	12
13	---	---	---	---	656.941	656.897	657.065	657.154	657.097	657.082	---	---	13
14	---	---	---	---	656.938	656.897	657.070	657.153	657.092	657.082	---	---	14
15	---	---	---	---	656.933	656.897	657.075	657.148	657.092	657.082	---	---	15
16	---	---	---	---	656.933	656.902	657.080	657.143	657.092	657.082	---	---	16
17	---	---	---	---	656.933	656.907	657.085	657.143	657.092	657.082	---	---	17
18	---	---	---	---	656.933	656.917	657.085	657.138	657.092	657.082	---	---	18
19	---	---	---	---	656.926	656.920	657.090	657.138	657.087	657.082	---	---	19
20	---	---	---	---	656.918	656.922	657.095	657.138	657.087	657.082	---	---	20
21	---	---	---	---	656.908	656.921	657.100	657.138	657.087	657.082	---	---	21
22	---	---	---	---	656.903	656.926	657.105	657.143	657.082	657.082	---	---	22
23	---	---	---	---	656.898	656.941	657.105	657.138	657.082	657.077	---	---	23
24	---	---	656.877	---	656.893	656.954	657.115	657.138	657.082	657.077	---	---	24
25	---	---	---	---	656.888	656.964	657.120	657.138	657.082	657.077	---	---	25
26	---	---	---	---	656.858	656.976	657.128	657.138	657.082	657.072	---	---	26
27	---	---	---	---	656.853	656.986	657.134	657.128	657.082	657.072	---	---	27
28	---	---	---	---	656.853	656.999	657.139	657.118	657.082	657.072	---	---	28
29	---		---	---	656.853	657.006	657.139	657.108	657.082	657.072	---	---	29
30	---		---	---	656.853	657.019	657.144	657.118	657.082	657.072	---	---	30
31	---		---		656.853		657.144	657.123		657.072		---	31
MEAN	---	---	---	---	656.918	656.913	657.084	657.141	657.097	657.078	---	---	MEAN
MAX	---	---	---	---	656.953	657.019	657.144	657.154	657.122	657.082	---	---	MAX
MIN	---	---	---	---	656.853	656.858	657.026	657.108	657.082	657.072	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 38 50 N
LONG 113 47 45 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	0.010B	11.4 B	2.46	4.33	0.147	0.019E	0.007	---	---	1
2	---	---	0.010B	0.015B	21.7 B	2.24	4.00	0.118	0.022E	0.008	---	---	2
3	---	---	0.010B	0.020B	23.1 B	2.05	3.40	0.081	0.021E	0.009	---	---	3
4	---	---	0.010B	0.025B	24.3 B	1.93	2.89	0.064A	0.020E	0.010	---	---	4
5	---	---	0.010B	0.030B	24.9 B	1.86	2.47	0.055E	0.019E	0.012	---	---	5
6	---	---	0.005B	0.025B	25.8 B	1.80	2.12	0.050E	0.019E	0.013	---	---	6
7	---	---	0.005B	0.020B	28.6 B	1.85	1.84	0.045E	0.018E	0.016	---	---	7
8	---	---	0.005B	0.015B	29.6 B	2.30	1.65	0.043E	0.018E	0.022	---	---	8
9	---	---	0.005B	0.010B	32.9	2.80	1.47	0.040E	0.017A	0.037	---	---	9
10	---	---	0.005B	0.006B	31.0	3.81	1.33	0.038E	0.017	0.061	---	---	10
11	---	---	0.010B	0.006B	29.6	4.10	1.19	0.036E	0.015	0.090	---	---	11
12	---	---	0.010B	0.006B	28.7	4.27	1.07	0.034E	0.014	0.115	---	---	12
13	---	---	0.015B	0.006B	26.8	4.77	0.990	0.034E	0.014	0.129	---	---	13
14	---	---	0.015B	0.006B	25.3	4.96	0.900	0.034E	0.013	0.136	---	---	14
15	---	---	0.020B	0.006B	24.0	4.83	0.845	0.034E	0.012	0.143	---	---	15
16	---	---	0.020B	0.006B	22.7	4.29	0.776	0.033E	0.011	0.145	---	---	16
17	---	---	0.015B	0.006B	21.2	3.79	0.681	0.033E	0.010	0.149	---	---	17
18	---	---	0.015B	0.010B	20.0	3.39	0.603	0.033E	0.010	0.158	---	---	18
19	---	---	0.010B	0.015B	18.7	3.16	0.574	0.032E	0.009	0.161	---	---	19
20	---	---	0.010B	0.020B	17.4	3.02	0.512	0.032E	0.009	0.163	---	---	20
21	---	---	0.005B	0.025B	15.1	2.88	0.420	0.032E	0.009	0.170	---	---	21
22	---	---	0.005B	0.030B	12.9	2.76	0.351	0.030E	0.008	0.181	---	---	22
23	---	---	0.005B	0.050B	11.1	2.61	0.313	0.028E	0.007	0.190	---	---	23
24	---	---	0.005B	0.100B	9.20	2.57	0.292	0.026E	0.006	0.305	---	---	24
25	---	0.010B	0.005B	0.400B	7.78	2.45	0.262	0.024E	0.006	0.408	---	---	25
26	---	0.010B	0.005B	1.50 B	6.51	2.73	0.237	0.022E	0.006	0.412	---	---	26
27	---	0.010B	0.005B	3.50 B	5.44	3.23	0.238	0.020E	0.006	0.421B	---	---	27
28	---	0.010B	0.010B	5.50 B	4.56	3.61	0.235	0.018E	0.006	0.415B	---	---	28
29	---	---	0.010B	6.93 B	3.82	3.81	0.222	0.017E	0.007	0.410B	---	---	29
30	---	---	0.010B	7.45 B	3.21	3.96	0.200	0.017E	0.006	0.405B	---	---	30
31	---		0.010B		2.77		0.166	0.017E		0.400B		---	31
TOTAL	---	---	0.290	25.748	570.09	94.29	36.577	1.267	0.374	5.301	---	---	TOTAL
MEAN	---	---	0.009	0.858	18.4	3.14	1.18	0.041	0.012	0.171	---	---	MEAN
MAX	---	---	0.020	7.45	32.9	4.96	4.33	0.147	0.022	0.421	---	---	MAX
MIN	---	---	0.005	0.006	2.77	1.80	0.166	0.017	0.006	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.00
MAXIMUM DAILY, 32.9 ON MAY 9
MINIMUM DAILY, 0.005B ON MAR 6
MAXIMUM INSTANTANEOUS,
33.9 AT 00:00 MST ON MAY 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 34 00 N
LONG 117 12 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 760
FEB	---	AUG	109
MAR	25.1	SEP	32.3
APR	2 220	OCT	458
MAY	49 300	NOV	---
JUN	8 150	DEC	---

TOTAL DISCHARGE, 63 500 dam³

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.470B	0.450B	0.410B	0.750B	9.21	2.53	3.79	4.06	0.419	0.083	1.50 E	0.520B	1
2	0.460B	0.450B	0.410B	0.780B	9.06	2.35	3.44	3.84	0.550	0.101	1.49 E	0.510B	2
3	0.460B	0.450B	0.410B	0.800B	8.66	2.15	3.12	3.42	0.483	0.136	1.47 E	0.500B	3
4	0.460B	0.450B	0.410B	0.800B	8.75	2.18	2.81	3.15	0.397	0.094	1.44 E	0.490B	4
5	0.460B	0.450B	0.410B	0.820B	8.62	2.69	2.46	2.94	0.438	0.153	1.40 E	0.470B	5
6	0.460B	0.450B	0.400B	0.820B	8.44	2.92	2.27	2.89	0.258	0.094	1.36 E	0.460B	6
7	0.460B	0.440B	0.400B	0.800B	7.96	3.18	2.42	2.49	0.251	0.043	1.32 E	0.450B	7
8	0.460B	0.440B	0.400B	0.800B	7.85	3.49	3.66	2.32	0.279	0.108	1.28 E	0.440B	8
9	0.460B	0.440B	0.400B	0.780B	7.26	3.95	6.09	2.00	0.263	0.372	1.24 E	0.431B	9
10	0.460B	0.430B	0.410B	0.750B	6.84	4.37	8.50	1.68	0.231	0.734	1.20 E	0.420B	10
11	0.460B	0.430B	0.410B	0.700B	6.23	4.66	10.1	1.50	0.187	0.712	1.14 E	0.410B	11
12	0.460B	0.430B	0.410B	0.680B	5.82	4.60	11.0	1.28	0.128	0.712	1.06 E	0.405B	12
13	0.460B	0.430B	0.410B	0.650B	5.61	4.31	11.7	1.08	0.130	0.871	0.990B	0.395B	13
14	0.460B	0.430B	0.420B	0.620B	5.48	3.98	10.9	0.921	0.073	0.869	0.930B	0.385B	14
15	0.460B	0.430B	0.420B	0.650B	5.14	3.70	10.3	0.908	0.078	0.824	0.870B	0.375B	15
16	0.460B	0.430B	0.420B	0.700B	4.90	3.61	9.96	0.739	0.085	0.846	0.830B	0.370B	16
17	0.460B	0.422B	0.430B	0.850B	4.74	3.41	9.87	0.611	0.024	0.970	0.790B	0.360B	17
18	0.460B	0.420B	0.430B	1.05 B	4.63	3.17	9.11	0.620	0.022	0.990	0.760B	0.350B	18
19	0.460B	0.420B	0.440B	1.40 B	4.61	3.10	8.22	0.592	0.030	1.21	0.730B	0.345B	19
20	0.455B	0.420B	0.440B	2.05 B	4.81	3.08	7.33	0.563	0.023	1.28	0.700B	0.340B	20
21	0.450B	0.420B	0.440B	2.50 B	4.61	2.87	6.67	0.940	0.149	1.18	0.680B	0.335B	21
22	0.450B	0.420B	0.450B	3.50 B	4.47	2.98	7.31	0.971	0.023	0.910	0.660B	0.330B	22
23	0.450B	0.420B	0.470B	4.40 B	4.30	3.10	8.74	0.858	0.061	0.860B	0.640B	0.330B	23
24	0.450B	0.420B	0.490B	5.80 B	4.16	3.58	8.44	0.903	0.074	0.830B	0.620B	0.330B	24
25	0.450B	0.420B	0.516B	6.90 B	3.94	4.09	7.76	0.840	0.043	0.797B	0.600B	0.330B	25
26	0.450B	0.420B	0.550B	8.10 B	3.58	4.80	7.07	0.787	0.068	0.903B	0.580B	0.325B	26
27	0.450B	0.420B	0.650B	9.20 B	3.40	4.75	6.29	0.709	0.065	1.00 B	0.560B	0.320B	27
28	0.450B	0.420B	0.700B	10.2 B	3.26	4.47	5.89	0.581	0.053	1.32 B	0.550B	0.315B	28
29	0.450B		0.720B	10.4	3.03	4.20	5.40	0.548	0.072	1.48 B	0.540B	0.310B	29
30	0.450B		0.750B	9.39	2.88	4.04	4.97	0.418	0.081	1.50 A	0.530B	0.300B	30
31	0.450B		0.750B		2.74		4.48	0.353		1.51 E		0.290B	31
TOTAL	14.155	12.072	14.776	87.640	174.99	106.31	210.07	45.512	5.038	23.492	28.460	11.941	TOTAL
MEAN	0.457	0.431	0.477	2.92	5.64	3.54	6.78	1.47	0.168	0.758	0.949	0.385	MEAN
MAX	0.470	0.450	0.750	10.4	9.21	4.80	11.7	4.06	0.550	1.51	1.50	0.520	MAX
MIN	0.450	0.420	0.400	0.620	2.74	2.15	2.27	0.353	0.022	0.043	0.530	0.290	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.01
MAXIMUM DAILY, 11.7 ON JUL 13
MINIMUM DAILY, 0.022 ON SEP 18
MAXIMUM INSTANTANEOUS,
11.9 AT 13:00 MST ON JUL 13

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 00 17 N
LONG 111 24 53 W
DRAINAGE AREA, 1 370 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 220	JUL	18 200
FEB	1 040	AUG	3 930
MAR	1 280	SEP	435
APR	7 570	OCT	2 030
MAY	15 100	NOV	2 460
JUN	9 190	DEC	1 030

TOTAL DISCHARGE, 63 500 dam³

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.437B	0.443	0.312	4.01	1.12	1.12	0.250	0.116	0.167	---	1
2	---	---	0.407B	0.392	0.303	5.54	1.21	0.786	0.246	0.112	0.166A	---	2
3	---	---	0.443B	0.351	0.321	3.10	0.924	0.841	0.244	0.111	---	---	3
4	---	---	0.401B	0.335	0.325	2.31	0.781	0.934	0.240	0.112	---	---	4
5	---	---	0.339B	0.302	0.656	1.91	0.672	0.814	0.240	0.118	---	---	5
6	---	---	0.291B	0.325	1.82	1.76	0.588	0.661	0.221	0.120	---	---	6
7	---	---	0.322B	0.356	2.27	1.50	0.532	0.576	0.212	0.119	---	---	7
8	---	---	0.348B	0.371	5.69	1.38	0.504	0.608	0.229	0.128	---	---	8
9	---	---	0.369B	0.381	4.25	1.30	0.452	0.630	0.265	0.129	---	---	9
10	---	---	0.380B	0.380	2.90	1.24	0.461	0.460	0.235	0.139	---	---	10
11	---	---	0.354B	0.338	2.44	1.07	0.484	0.366	0.181	0.159	---	---	11
12	---	---	0.310B	0.306	1.84	0.975	0.427	0.329	0.147	0.165	---	---	12
13	---	---	0.427B	0.311	1.64	2.52	0.504	0.317	0.147	0.176	---	---	13
14	---	---	0.413B	0.237	1.52	14.0	0.669	0.299	0.201	0.195	---	---	14
15	---	---	0.424B	0.237	1.92	6.02	0.580	0.296	0.223	0.194	---	---	15
16	---	---	0.433B	0.252	4.08	3.79	0.477	0.292	0.217	0.193	---	---	16
17	---	---	0.500B	0.267	4.43	2.95	1.39	0.274	0.204	0.188	---	---	17
18	---	---	0.375B	0.288	10.2	2.74	0.897	0.287	0.188	0.185	---	---	18
19	---	---	0.344B	0.293	10.9	2.34	0.598	0.274	0.176	0.182	---	---	19
20	---	---	0.340B	0.316	11.1	2.01	0.527	0.261	0.191	0.184	---	---	20
21	---	---	0.364B	0.324	10.7	1.78	0.656	0.246	0.175	0.182B	---	---	21
22	---	---	0.412B	0.331	9.26	1.62	1.28	0.229	0.159	0.174B	---	---	22
23	---	---	0.439B	0.353	7.15	1.50	1.86	0.219	0.148	0.174	---	---	23
24	---	0.371B	0.550B	0.362	5.97	1.30	1.41	0.207	0.143	0.176	---	---	24
25	---	0.350B	0.341B	0.355	7.38	1.08	2.27	0.201	0.133	0.186	---	---	25
26	---	0.330B	0.310B	0.412	6.27	0.974	1.71	0.210	0.135	0.193	---	---	26
27	---	0.314B	0.425B	0.363	4.67	1.62	0.970	0.206	0.139	0.188	---	---	27
28	---	0.364B	0.430	0.304	3.66	3.86	0.716	0.207	0.127	0.187	---	---	28
29	---		0.428	0.294	3.12	1.80	0.647	0.196	0.115	0.182	---	---	29
30	---		0.459	0.306	2.78	1.29	0.577	0.219	0.114	0.177	---	---	30
31	---		0.491		2.50		0.560	0.244		0.171		---	31
TOTAL	---	---	12.306	9.885	132.377	79.289	26.413	12.809	5.645	5.015	---	---	TOTAL
MEAN	---	---	0.397	0.330	4.27	2.64	0.852	0.413	0.188	0.162	---	---	MEAN
MAX	---	---	0.550	0.443	11.1	14.0	2.27	1.12	0.265	0.195	---	---	MAX
MIN	---	---	0.291	0.237	0.303	0.974	0.427	0.196	0.114	0.111	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.16
MAXIMUM DAILY, 14.0 ON JUN 14
MINIMUM DAILY, 0.111 ON OCT 3
MAXIMUM INSTANTANEOUS,
18.9 AT 12:00 MST ON JUN 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 114 09 55 W
DRAINAGE AREA, 264 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 280
FEB	---	AUG	1 110
MAR	1 060	SEP	488
APR	854	OCT	433
MAY	11 400	NOV	---
JUN	6 850	DEC	---

TOTAL DISCHARGE, 24 500 dam³

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.245B	0.231	0.058	0.535	0.370	0.976	0.883	0.739	0.470	---	1
2	---	---	0.281B	0.211	0.050	0.559	0.610	1.02	0.804	0.553	0.434	---	2
3	---	---	0.313B	0.148	0.048	0.550	0.892	0.994	0.946	0.398	0.367A	---	3
4	---	---	0.292B	0.142	0.056	0.565	0.943	0.935	1.06	0.368	---	---	4
5	---	---	0.225B	0.135	0.062	0.608	1.03	0.925	1.02	0.445	---	---	5
6	---	---	0.211B	0.115	0.093	0.608	0.944	0.852	0.883	0.543	---	---	6
7	---	---	0.167B	0.094	0.125	0.666	0.806	0.666	0.888	0.472	---	---	7
8	---	---	0.169B	0.093	0.206	0.744	0.912	0.543	0.869	0.465	---	---	8
9	---	---	0.188B	0.091	0.308	1.11	0.752	0.596	0.861	0.318	---	---	9
10	---	---	0.160B	0.085	0.170	1.23	0.728	0.842	0.935	0.299	---	---	10
11	---	---	0.073B	0.077	0.143	0.937	0.952	0.816	1.03	0.468	---	---	11
12	---	---	0.056B	0.077	0.156	1.21	1.13	0.890	1.02	0.611	---	---	12
13	---	---	0.181	0.079	0.251	2.28	1.27	0.716	1.08	0.664	---	---	13
14	---	---	0.167	0.085	0.289	3.70	1.43	0.638	1.05	0.669	---	---	14
15	---	---	0.159	0.089	0.302	1.98	1.29	0.711	0.986	0.439	---	---	15
16	---	---	0.148	0.081	1.30	0.683	1.20	0.747	0.709	0.321	---	---	16
17	---	---	0.176	0.063	1.96	0.460	1.22	0.744	0.561	0.381	---	---	17
18	---	---	0.164	0.062	1.11	0.412	1.18	0.763	0.501	0.503	---	---	18
19	---	---	0.147	0.064	1.30	0.312	1.17	0.669	0.638	0.491	---	---	19
20	---	---	0.347	0.064	3.10	0.241	1.21	0.601	0.776	0.550	---	---	20
21	---	---	0.364	0.065	1.58	0.229	1.09	0.524	0.989	0.463	---	---	21
22	---	---	0.241	0.066	0.797	0.243	1.10	0.555	0.929	0.246	---	---	22
23	---	---	0.142	0.066	0.575	0.194	1.13	0.757	0.896	0.338	---	---	23
24	---	---	0.191	0.062	0.476	0.203	1.15	0.742	0.741	0.234	---	---	24
25	---	0.206B	0.186	0.057	0.387	0.218	1.57	0.695	0.625	0.187	---	---	25
26	---	0.347B	0.253	0.052	0.350	0.249	1.22	0.676	0.757	0.142	---	---	26
27	---	0.245B	0.239	0.058	0.299	0.387	1.13	0.678	1.01	0.120	---	---	27
28	---	0.246B	0.211	0.065	0.269	0.462	1.02	0.750	1.01	0.111	---	---	28
29	---		0.181	0.060	0.259	0.403	0.929	0.656	0.885	0.135	---	---	29
30	---		0.166	0.063	0.408	0.314	0.682	0.811	0.677	0.227	---	---	30
31	---		0.201		0.492		0.785	0.864		0.410		---	31
TOTAL	---	---	6.244	2.700	16.979	22.292	31.845	23.352	26.019	12.310	---	---	TOTAL
MEAN	---	---	0.201	0.090	0.548	0.743	1.03	0.753	0.867	0.397	---	---	MEAN
MAX	---	---	0.364	0.231	3.10	3.70	1.57	1.02	1.08	0.739	---	---	MAX
MIN	---	---	0.056	0.052	0.048	0.194	0.370	0.524	0.501	0.111	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 3.70 ON JUN 14

MAXIMUM INSTANTANEOUS,
4.04 AT 15:00 MST ON JUN 14

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 112 30 29 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 750
FEB	---	AUG	2 020
MAR	539	SEP	2 250
APR	233	OCT	1 060
MAY	1 470	NOV	---
JUN	1 930	DEC	---

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.200B	2.75 B	0.659	2.59	0.346	7.24	0.042	0.034	---	---	1
2	---	---	0.204B	2.52 B	0.642	3.69	0.331	2.03	0.039	0.034	---	---	2
3	---	---	0.208B	2.28 B	0.742	3.03	0.322	1.34	0.037	0.035	---	---	3
4	---	---	0.210B	2.02 B	1.42	7.85	0.303	0.522	0.036	0.035	---	---	4
5	---	---	0.206B	1.83 B	1.90	4.07	0.294	0.184	0.036	0.035	---	---	5
6	---	---	0.204B	1.55 B	1.60	2.28	0.283	0.082	0.034	0.034	---	---	6
7	---	---	0.204B	1.28 B	2.30	1.46	0.368	0.057	0.034	0.035	---	---	7
8	---	---	0.222B	1.31 B	5.08	0.977	0.425	0.041	0.032	0.048	---	---	8
9	---	---	0.240B	1.56 B	4.70	0.645	0.397	0.032	0.028	0.056	---	---	9
10	---	---	0.199B	1.67 B	3.61	0.439	0.318	0.023	0.025	0.065	---	---	10
11	---	---	0.703B	1.90 B	2.72	0.366	0.273	0.017	0.024	0.067	---	---	11
12	---	---	6.31 B	1.35 B	2.14	0.360	0.253	0.013	0.023	0.061	---	---	12
13	---	---	9.00 B	0.700B	1.65	0.359	0.292	0.014	0.020	0.058	---	---	13
14	---	---	12.7 B	0.860B	1.09	0.364	0.384	0.011	0.018	0.059	---	---	14
15	---	---	12.2 B	1.07 B	0.829	0.520	1.17	0.010	0.016	0.063	---	---	15
16	---	---	10.3 B	1.05 B	1.08	0.429	1.33	0.010	0.016	0.064	---	---	16
17	---	---	7.31 B	2.06 B	1.59	0.418	1.57	0.009	0.014	0.065	---	---	17
18	---	---	5.47 B	0.879	1.17	0.407	0.998	0.010	0.013	0.065	---	---	18
19	---	---	4.42 B	0.635	0.844	0.446	0.683	0.012	0.012	0.064	---	---	19
20	---	---	2.71 B	0.720	0.649	0.433	0.459	0.012	0.031	0.057	---	---	20
21	---	---	1.10 B	0.432	0.526	0.447	0.382	0.012	0.031	0.061	---	---	21
22	---	---	1.15 B	0.460	0.427	0.411	0.405	0.017	0.035	0.085	---	---	22
23	---	---	1.21 B	0.514	0.453	0.548	0.839	0.019	0.037	0.067	---	---	23
24	---	---	2.30 B	0.535	0.375	0.551	1.58	0.020	0.039	0.067	---	---	24
25	---	---	3.21 B	0.592	0.374	0.484	1.84	0.022	0.038	0.068	---	---	25
26	---	---	3.11 B	0.876	0.324	0.404	1.45	0.025	0.037	0.072	---	---	26
27	---	---	3.89 B	1.33	0.229	0.414	1.13	0.02[illegible]	0.037	0.072	---	---	27
28	---	---	3.24 B	1.30	0.516	0.367	1.12	0.030	0.037	0.071A	---	---	28
29	---		2.89 B	0.857	1.80	0.395	1.94	0.034	0.035	0.068E	---	---	29
30	---		2.85 B	0.826	2.61	0.366	10.7	0.039	0.034	0.062E	---	---	30
31	---		3.21 B		2.02		7.50	0.039		0.055E		---	31
TOTAL	---	---	101.380	37.716	46.069	35.520	39.685	11.953	0.890	1.782	---	---	TOTAL
MEAN	---	---	3.27	1.26	1.49	1.18	1.28	0.386	0.030	0.057	---	---	MEAN
MAX	---	---	12.7	2.75	5.08	7.85	10.7	7.24	0.042	0.085	---	---	MAX
MIN	---	---	0.199	0.432	0.229	0.359	0.253	0.009	0.012	0.034	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.12
MAXIMUM DAILY, 12.7B ON MAR 14
MINIMUM DAILY, 0.009 ON AUG 17
MAXIMUM INSTANTANEOUS,
18.7 AT 21:00 MST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 18 41 N
LONG 114 03 02 W
DRAINAGE AREA, 583 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 430
FEB	---	AUG	1 030
MAR	8 760	SEP	76.9
APR	3 260	OCT	154
MAY	3 980	NOV	---
JUN	3 070	DEC	---

TOTAL DISCHARGE, 23 800 dam³

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.001B	0.001	0.122	0.050	0.016	0.008	0.005	---	---	1
2	---	---	0.001B	0.001B	0.003	0.101	0.039	0.022	0.008	0.004	---	---	2
3	---	---	0.001B	0.001B	0.003	0.089	0.034	0.018	0.008	0.005	---	---	3
4	---	---	0.001B	0.001B	0.002	0.081	0.032	0.019	0.009	0.005	---	---	4
5	---	---	0.001B	0.001B	0.004	0.074	0.030	0.016	0.007	0.005	---	---	5
6	---	---	0.001B	0.005B	0.003	0.067	0.028	0.015	0.007	0.005	---	---	6
7	---	---	0.001B	0.009B	0.009	0.062	0.027	0.017	0.006	0.004	---	---	7
8	---	---	0.001B	0.002B	0.009	0.057	0.024	0.016	0.006	0.005	---	---	8
9	---	---	0.001B	0.001B	0.005	0.054	0.023	0.014	0.005	0.005	---	---	9
10	---	---	0.001B	0.002B	0.005	0.048	0.024	0.014	0.006	0.005	---	---	10
11	---	---	0.001B	0.001B	0.005	0.044	0.022	0.013	0.005	0.005	---	---	11
12	---	---	0.001B	0.001B	0.007	0.049	0.020	0.013	0.005	0.006	---	---	12
13	---	---	0.001B	0.001B	0.005	0.085	0.027	0.015	0.007	0.005	---	---	13
14	---	---	0.001B	0.001B	0.005	0.061	0.019	0.014	0.004	0.005	---	---	14
15	---	---	0.001B	0.001	0.014	0.066	0.019	0.013	0.005	0.004	---	---	15
16	---	---	0.001B	0.001	0.011	0.074	0.023	0.013	0.005	0.004	---	---	16
17	---	---	0.001B	0.001	0.017	0.082	0.018	0.013	0.004	0.004	---	---	17
18	---	---	0.001B	0	0.026	0.086	0.016	0.012	0.004	0.004	---	---	18
19	---	---	0.001B	0.001	0.096	0.085	0.018	0.014	0.004	0.004	---	---	19
20	---	---	0.001B	0.001	0.298	0.084	0.021	0.009	0.005	0.004	---	---	20
21	---	---	0.001B	0.001	0.282	0.081	0.023	0.011	0.005	0.004	---	---	21
22	---	---	0.001B	0	0.277	0.077	0.022	0.011	0.005	0.004	---	---	22
23	---	---	0.001B	0.001	0.282	0.073	0.018	0.010	0.005	0.004	---	---	23
24	---	---	0.001B	0.001	0.281	0.072	0.027	0.010	0.005	0.004	---	---	24
25	---	0.001B	0.001B	0.001	0.257	0.076	0.024	0.009	0.005	0.004	---	---	25
26	---	0.001B	0.001B	0.001	0.230	0.081	0.019	0.009	0.005	0.003	---	---	26
27	---	0.001B	0.001B	0	0.203	0.073	0.017	0.008	0.005	0.003	---	---	27
28	---	0.001B	0.001B	0.001	0.175	0.055	0.017	0.008	0.005	0.003	---	---	28
29	---		0.001B	0.001	0.154	0.047	0.017	0.008	0.005	0.003	---	---	29
30	---		0.001B	0.001	0.139	0.043	0.017	0.009	0.005	0.003E	---	---	30
31	---		0.001B		0.124		0.016	0.008		0.003E		---	31
TOTAL	---	---	0.031	0.041	2.932	2.149	0.731	0.397	0.168	0.131	---	---	TOTAL
MEAN	---	---	0.001	0.001	0.095	0.072	0.024	0.013	0.006	0.004	---	---	MEAN
MAX	---	---	0.001	0.009	0.298	0.122	0.050	0.022	0.009	0.006	---	---	MAX
MIN	---	---	0.001	0	0.001	0.043	0.016	0.008	0.004	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.027
MAXIMUM DAILY, 0.298 ON MAY 20
MINIMUM DAILY, 0 ON APR 18
MAXIMUM INSTANTANEOUS,
0.372 AT 22:00 MST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 24 N
LONG 114 03 20 W
DRAINAGE AREA, 5.96 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	63.2
FEB	---	AUG	34.3
MAR	2.68	SEP	14.5
APR	3.54	OCT	11.3
MAY	253	NOV	---
JUN	186	DEC	---

TOTAL DISCHARGE, 569 dam³

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.925B	0	0	0	0.220	0	0	0	---	1
2	---	---	0 B	0.642	0	0	0	0.060	0	0	0	---	2
3	---	---	0 B	0.371	0	0	0	0.017	0	0	0	---	3
4	---	---	0 B	0.271	0	0	0	0.006	0	0	---	---	4
5	---	---	0 B	0.177	0	0	0	0.005	0	0	---	---	5
6	---	---	0 B	0.105	0	0	0	0.003	0	0	---	---	6
7	---	---	0 B	0.060	0	0	0	0.002	0	0	---	---	7
8	---	---	0 B	0.049	0	0	0	0.001	0	0	---	---	8
9	---	---	0 B	0.035	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.040	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.022	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.013	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.010	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.008	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.006	0	0	0	0	0	0	---	---	15
16	---	---	0.100B	0.005	0	0	0	0	0	0	---	---	16
17	---	---	1.30 B	0.003	0	0	0	0	0	0	---	---	17
18	---	---	1.94 B	0.003	0	0	0	0	0	0	---	---	18
19	---	---	1.38 B	0.002	0	0	0	0	0	0	---	---	19
20	---	---	0.781B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0.234B	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0.096B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0.063B	0.002	0	0	0	0	0	0	---	---	23
24	---	---	0.035B	0.003	0	0	0	0	0	0	---	---	24
25	---	---	0.096B	0.008	0	0	0	0	0	0	---	---	25
26	---	---	0.696B	0.006	0	0	0	0	0	0	---	---	26
27	---	---	1.69 B	0.004	0	0	0	0	0	0	---	---	27
28	---	---	2.36 B	0.002	0	0	0.001	0	0	0	---	---	28
29	---		1.90 B	0.001	0	0	0.002	0	0	0	---	---	29
30	---		1.48 B	0	0	0	1.18	0	0	0	---	---	30
31	---		1.13 B		0		0.735	0		0		---	31
TOTAL	---	---	15.281	2.756	0	0	1.918	0.314	0	0	---	---	TOTAL
MEAN	---	---	0.493	0.092	0	0	0.062	0.010	0	0	---	---	MEAN
MAX	---	---	2.36	0.925	0	0	1.18	0.220	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2.36B ON MAR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.94 AT 09:50 MST ON MAR 18

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 13 N
LONG 110 19 31 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	166
FEB	---	AUG	27.1
MAR	1 320	SEP	0
APR	238	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

STURGEON LAKE AT WILLIAMSON PARK - STATION NO. 07GH003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	677.046E	676.996	676.870E	676.811E	676.662	676.574	---	---	1
2	---	---	---	---	677.047E	676.998	676.865	676.807E	676.662	676.573E	---	---	2
3	---	---	---	---	677.048E	676.998	676.862E	676.803E	676.656E	676.571E	---	---	3
4	---	---	---	---	677.049E	676.988E	676.858E	676.799	676.650	676.570E	---	---	4
5	---	---	---	---	677.050E	676.978	676.855E	676.797E	676.646	676.569E	---	---	5
6	---	---	---	---	677.050E	676.971E	676.851	676.792	676.643E	676.567E	---	---	6
7	---	---	---	---	677.050	676.963E	676.847	676.789E	676.640	676.565E	---	---	7
8	---	---	---	---	677.053E	676.957	676.834E	676.786	676.639	676.564E	---	---	8
9	---	---	---	---	677.055E	676.957	676.821	676.782	676.634E	676.563E	---	---	9
10	---	---	---	---	677.058E	676.943	676.821	676.780	676.628E	676.561E	---	---	10
11	---	---	---	---	677.060	676.943	676.816E	676.777E	676.623	676.560E	---	---	11
12	---	---	---	---	677.055E	676.943	676.812E	676.773E	676.616E	676.559E	---	---	12
13	---	---	---	---	677.049	676.943E	676.806	676.770	676.610E	676.557E	---	---	13
14	---	---	---	---	677.048E	676.943E	676.810E	676.764E	676.603	676.555E	---	---	14
15	---	---	---	---	677.048E	676.943E	676.814	676.758E	676.602	676.554E	---	---	15
16	---	---	---	---	677.047	676.943	676.813E	676.752E	676.602	676.553E	---	---	16
17	---	---	---	---	677.031	676.927	676.811E	676.746	676.602	676.551E	---	---	17
18	---	---	---	---	677.031	676.926	676.810	676.737	676.602	676.550E	---	---	18
19	---	---	---	---	677.025	676.922	676.810	676.729	676.600E	676.549E	---	---	19
20	---	---	---	---	677.025	676.920E	676.806	676.723	676.598	676.547E	---	---	20
21	---	---	---	---	677.021	676.918E	676.830	676.721	676.598	676.545E	---	---	21
22	---	---	---	---	677.015	676.917E	676.842	676.716E	676.597	676.544E	---	---	22
23	---	---	---	---	677.015E	676.916	676.839E	676.711E	676.597	676.543E	---	---	23
24	---	---	---	---	677.015E	676.907E	676.836	676.706E	676.597	676.541E	---	---	24
25	---	---	---	---	677.014	676.898	676.832E	676.701	676.599	676.540E	---	---	25
26	---	---	---	---	677.011	676.894E	676.828E	676.693	676.599	676.539E	---	---	26
27	---	---	---	---	677.006	676.890	676.825	676.677	676.594E	676.537E	---	---	27
28	---	---	---	---	677.001E	676.885E	676.825	676.681	676.589E	676.536E	---	---	28
29	---		---	---	676.996	676.880	676.823E	676.674E	676.584E	676.534	---	---	29
30	---		---	---	676.996E	676.875	676.821	676.668E	676.579E	676.534E	---	---	30
31	---		---		676.996E		676.815	676.662		676.534E		---	31
MEAN	---	---	---	---	677.033	676.936	676.829	676.745	676.615	676.553	---	---	MEAN
MAX	---	---	---	---	677.060	676.998	676.870	676.811	676.662	676.574	---	---	MAX
MIN	---	---	---	---	676.996	676.875	676.806	676.662	676.579	676.534	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 05 00 N
LONG 117 33 30 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO APPROXIMATE GEODETIC SURVEY OF CANADA DATUM

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.02B	21.1	9.61	2.02	0.571	0.861	0.569	0.601	---	---	1
2	---	---	1.04B	22.1	9.25	2.07	0.535	0.863	0.558	0.627	---	---	2
3	---	---	1.06B	22.8	8.68	2.30	0.509	2.25	0.550	0.655	---	---	3
4	---	---	1.08B	23.3	8.38	2.19	0.443	1.27	0.546	0.649	---	---	4
5	---	---	1.10B	23.1	7.80	2.06	0.382	1.14	0.570	0.642	---	---	5
6	---	---	1.12B	22.8	7.30	1.80	0.381	1.09	0.604	0.623	---	---	6
7	---	---	1.14B	21.9	7.10	1.94	1.30	0.949	0.620	0.599	---	---	7
8	---	---	1.16B	21.1	6.71	1.78	1.03	0.876	0.628	1.30 A	---	---	8
9	---	---	1.18B	20.5	6.33	1.63	0.642	0.822	0.636	1.30 E	---	---	9
10	---	---	1.24B	20.1	6.44	1.56	0.551	0.892	0.637	1.25 E	---	---	10
11	---	---	1.30B	19.4	6.13	1.49	0.484	0.870	0.644	1.10 E	---	---	11
12	---	---	1.36B	18.9	5.89	1.44	0.445	0.718	0.618	1.00 E	---	---	12
13	---	---	1.44B	18.6	5.61	1.28	0.445	0.754	0.604	0.950E	---	---	13
14	---	---	1.52B	18.0	5.01	1.28	2.02	0.705	0.543	0.870E	---	---	14
15	---	---	1.73B	17.5	4.64	1.28	2.25	0.714	0.563	0.780E	---	---	15
16	---	---	1.66B	16.8	4.81	1.28	1.35	0.741	0.549	0.700E	---	---	16
17	---	---	2.12B	16.2	4.69	1.33	1.27	0.712	0.543	0.600E	---	---	17
18	---	---	2.62B	15.7	4.46	1.24	1.20	0.680	0.495	0.640E	---	---	18
19	---	---	3.28B	15.0	4.25	1.17	0.994	0.651	0.527	0.660E	---	---	19
20	---	---	3.98B	14.5	4.05	1.34	0.830	0.655	1.07	0.780E	---	---	20
21	---	---	4.76B	14.2	3.70	1.29	0.778	0.687	0.608	0.760E	---	---	21
22	---	---	5.51B	13.6	3.57	1.15	1.34	0.668	0.547	0.810E	---	---	22
23	---	---	6.30B	13.1	3.35	1.03	1.30	0.640	0.604	0.780E	---	---	23
24	---	---	7.07B	12.8	3.13	1.00	0.911	0.591	0.658	0.800E	---	---	24
25	---	---	7.87B	12.5	2.88	0.931	0.869	0.546	0.624	0.840E	---	---	25
26	---	---	8.86B	11.9	2.79	0.795	0.801	0.546	0.627	1.03 E	---	---	26
27	---	---	9.93B	11.5	2.66	0.744	0.785	0.527	0.567	0.950E	---	---	27
28	---	---	11.7 B	11.1	2.54	0.776	0.914	0.528	0.541	0.920E	---	---	28
29	---		13.9 B	10.8	2.24	0.687	1.32	0.514	0.585	0.883E	---	---	29
30	---		16.8 B	10.0	1.98	0.633	1.25	0.855	0.596	0.870E	---	---	30
31	---		19.4 B		1.94		0.901	0.618		0.850E		---	31
TOTAL	---	---	144.25	510.9	157.92	41.516	28.801	24.933	18.031	25.819	---	---	TOTAL
MEAN	---	---	4.65	17.0	5.09	1.38	0.929	0.804	0.601	0.833	---	---	MEAN
MAX	---	---	19.4	23.3	9.61	2.30	2.25	2.25	1.07	1.30	---	---	MAX
MIN	---	---	1.02	10.0	1.94	0.633	0.381	0.514	0.495	0.599	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.89
MAXIMUM DAILY, 23.3 ON APR 4
MINIMUM DAILY, 0.381 ON JUL 6
MAXIMUM INSTANTANEOUS,
23.4 AT 17:20 MST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 38 05 N
LONG 113 37 33 W
DRAINAGE AREA, 2 640 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 490
FEB	---	AUG	2 150
MAR	12 500	SEP	1 560
APR	44 100	OCT	2 230
MAY	13 600	NOV	---
JUN	3 590	DEC	---

TOTAL DISCHARGE, 82 200 dam³

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.15B	22.2B	10.9	2.21	0.968	1.26	0.453	0.637	---	---	1
2	---	---	1.18B	26.1B	10.4	2.13	0.939	1.19	0.413	0.617	---	---	2
3	---	---	1.21B	29.5	10.2	2.24	0.897	1.10	0.476	1.12	---	---	3
4	---	---	1.21B	28.9	9.76	2.17	0.809	0.965	0.496	1.03	---	---	4
5	---	---	1.19B	27.8	9.15	2.29	0.763	0.877	0.520	0.821	---	---	5
6	---	---	1.18B	27.3	8.66	1.99	0.760	0.959	0.524	0.563	---	---	6
7	---	---	1.20B	27.0	8.39	1.83	1.06	1.00	0.481	0.534	---	---	7
8	---	---	1.24B	26.3	8.12	1.70	0.925	0.869	0.541	0.895	---	---	8
9	---	---	1.28B	25.2	7.87	1.72	0.808	0.745	0.557	0.891	---	---	9
10	---	---	1.33B	24.4	7.68	1.61	1.06	0.673	0.512	1.32	---	---	10
11	---	---	1.60B	23.8	7.53	1.53	1.06	0.705	0.520	1.32	---	---	11
12	---	---	1.90B	23.3	7.46	1.45	0.889	0.686	0.555	0.923	---	---	12
13	---	---	2.70B	23.1	7.30	1.35	0.802	0.646	0.528	0.755	---	---	13
14	---	---	3.50B	22.7	7.09	1.32	0.967	0.718	0.523	0.679	---	---	14
15	---	---	4.00B	21.8	6.66	1.25	1.31	0.854	0.520	0.634	---	---	15
16	---	---	8.13B	20.7	5.98	1.26	1.15	0.981	0.484	0.678	---	---	16
17	---	---	12.4 B	19.7	5.48	1.34	2.02	0.989	0.430	0.634	---	---	17
18	---	---	12.5 B	18.9	5.34	1.27	1.56	1.05	0.496	0.610	---	---	18
19	---	---	10.9 B	18.3	5.14	1.25	1.18	1.14	0.527	0.637	---	---	19
20	---	---	8.10B	17.4	5.44	1.23	1.00	1.36	0.589	0.655	---	---	20
21	---	---	5.28B	16.5	5.01	1.24	0.939	1.43	0.592	0.779	---	---	21
22	---	---	5.20B	15.7	4.45	1.22	1.14	1.36	0.544	0.747	---	---	22
23	---	---	6.28B	14.7	3.98	1.25	1.29	1.28	0.613	0.802	---	---	23
24	---	---	7.00B	14.2	3.77	1.19	1.38	1.33	0.781	0.783	---	---	24
25	---	---	7.90B	13.8	3.59	1.47	1.26	1.15	0.781	0.806	---	---	25
26	---	---	12.0 B	13.4	3.34	1.48	1.12	1.11	0.708	0.848	---	---	26
27	---	---	16.5 B	12.8	3.11	1.28	1.01	0.949	0.668	1.04	---	---	27
28	---	---	17.1 B	12.2	3.01	1.14	0.962	0.873	0.669	0.942	---	---	28
29	---		20.4 B	11.8	2.99	1.06	0.904	0.768	0.676	0.817A	---	---	29
30	---		21.4 B	11.4	2.79	1.02	0.924	0.750	0.661	0.810E	---	---	30
31	---		22.5 B		2.49		0.907	0.593		0.800E		---	31
TOTAL	---	---	219.46	610.9	193.08	85.49	32.763	30.360	16.838	25.127	---	---	TOTAL
MEAN	---	---	7.08	20.4	6.23	1.52	1.06	0.979	0.561	0.811	---	---	MEAN
MAX	---	---	22.5	29.5	10.9	2.29	2.02	1.43	0.781	1.32	---	---	MAX
MIN	---	---	1.15	11.4	2.49	1.02	0.760	0.593	0.413	0.538	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.79
MAXIMUM DAILY, 29.5 ON APR 3
MINIMUM DAILY, 0.413 ON SEP 2
MAXIMUM INSTANTANEOUS,
29.8 AT 12:30 MST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 14 N
LONG 113 13 23 W
DRAINAGE AREA, 3 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 830
FEB	---	AUG	2 620
MAR	19 000	SEP	1 450
APR	52 800	OCT	2 170
MAY	16 700	NOV	---
JUN	3 930	DEC	---

TOTAL DISCHARGE, 102 000 dam³

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.01B	1.03B	1.07B	27.6	2.38	1.23	0.772	1.07	0.436	0.279	0.293B	0.290B	1
2	1.01B	1.03B	1.09B	24.5	2.37	1.24	0.721	0.980	0.428	0.361	0.293B	0.290B	2
3	1.01B	1.05B	1.11B	21.7	2.37	1.26	0.727	1.00	0.386	0.386	0.293B	0.279B	3
4	1.01B	1.04B	1.13B	18.7	2.29	1.28	0.762	0.984	0.340	0.397	0.293B	0.268B	4
5	1.01B	1.03B	1.15B	15.8	2.18	1.30	0.756	0.989	0.313	0.380	0.293B	0.257B	5
6	1.01B	1.02B	1.18B	13.5	2.09	1.37	0.669	0.956	0.222	0.423	0.293B	0.246B	6
7	1.01B	1.01B	1.22B	11.2	2.21	1.33	0.764	0.956	0.203	0.430	0.293B	0.235B	7
8	1.01B	1.01B	1.26B	9.88	2.35	1.20	0.715	0.939	0.187	0.631	0.293B	0.224B	8
9	1.01B	1.00B	1.33B	8.90	2.46	1.18	0.726	0.928	0.161	0.735	0.293B	0.213B	9
10	1.01B	1.00B	1.40B	7.94	2.33	1.12	0.708	0.944	0.158	1.10	0.293B	0.202B	10
11	1.01B	1.00B	1.58B	7.11	2.26	1.11	0.662	0.938	0.147	0.897	0.293B	0.191B	11
12	1.01B	1.00B	1.86B	6.33	2.13	1.06	0.622	0.964	0.132	0.518	0.293B	0.180B	12
13	1.01B	1.00B	2.25B	6.15	2.01	1.01	0.600	0.952	0.131	0.233	0.293B	0.169B	13
14	1.01B	1.00B	2.64B	5.37	1.98	0.986	0.683	0.945	0.107	0.349	0.293B	0.158B	14
15	1.01B	1.01B	3.01B	5.16	1.94	1.02	0.732	0.915	0.110	0.670	0.293B	0.148B	15
16	1.01B	1.02B	2.17B	4.86	1.89	1.02	0.727	0.916	0.088	0.870	0.292B	0.148B	16
17	1.01B	1.03B	1.96B	4.50	1.90	1.04	0.761	0.937	0.059	0.809	0.292B	0.148B	17
18	1.02B	1.05B	4.38B	4.21	1.87	1.03	0.679	0.887	0.063	0.279	0.292B	0.148B	18
19	1.04B	1.07B	4.30B	3.84	1.82	1.02	0.595	0.867	0.034	0.129	0.292B	0.148B	19
20	1.06B	1.09B	5.14B	3.69	1.81	1.01	0.592	0.804	0.075	0.190	0.292B	0.148B	20
21	1.08B	1.11B	5.98B	3.50	1.81	1.05	0.662	0.801	0.107	0.256	0.292B	0.148B	21
22	1.10B	1.13B	5.74B	3.40	1.66	1.07	0.739	0.796	0.146	0.306	0.291B	0.147B	22
23	1.12B	1.11B	5.50B	3.26	1.58	1.08	0.777	0.717	0.214	0.280	0.291B	0.147B	23
24	1.14B	1.09B	7.00B	3.20	1.49	1.05	0.857	0.669	0.306	0.241	0.291B	0.147B	24
25	1.14B	1.08B	10.0 B	3.32	1.37	1.01	0.939	0.651	0.221	0.445	0.291B	0.146B	25
26	1.14B	1.07B	15.0 B	3.27	1.25	0.952	0.902	0.587	0.198	0.268	0.291B	0.146B	26
27	1.12B	1.06B	20.0 B	3.13	1.23	0.903	0.876	0.527	0.239	0.263	0.291B	0.146B	27
28	1.10B	1.06B	25.0 B	2.85	1.22	0.860	0.908	0.473	0.319	0.290	0.290B	0.145B	28
29	1.08B		30.0 B	2.70	1.38	0.843	1.01	0.412	0.282	0.292	0.290B	0.145B	29
30	1.06B		33.6	2.53	1.16	0.795	1.06	0.488	0.250	0.293	0.290B	0.145B	30
31	1.04B		30.4		1.18		1.07	0.456		0.293		0.144B	31
TOTAL	32.41	29.20	229.45	242.10	57.97	32.429	23.773	25.448	6.062	13.293	8.763	5.696	TOTAL
MEAN	1.05	1.04	7.40	8.07	1.87	1.08	0.767	0.821	0.202	0.429	0.292	0.184	MEAN
MAX	1.14	1.13	33.6	27.6	2.46	1.37	1.07	1.07	0.436	1.10	0.293	0.290	MAX
MIN	1.01	1.00	1.07	2.53	1.16	0.795	0.592	0.412	0.034	0.129	0.290	0.144	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.98
MAXIMUM DAILY, 33.6 ON MAR 30
MINIMUM DAILY, 0.034 ON SEP 19

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 20 N
LONG 113 45 40 W
DRAINAGE AREA, 1 910 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 800	JUL	2 050
FEB	2 520	AUG	2 200
MAR	19 800	SEP	524
APR	20 900	OCT	1 150
MAY	5 010	NOV	757
JUN	2 800	DEC	492

TOTAL DISCHARGE, 61 000 dam³

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.445E	0.469B	0.969	2.12	0.476	1.03	0.333	0.302	0.493	---	1
2	---	---	0.445B	0.554B	0.995	2.21	0.457	1.34	0.336	0.295	0.535	---	2
3	---	---	0.432B	0.484B	1.04	2.11	0.439	1.55	0.338	0.288	0.545	---	3
4	---	---	0.425B	0.520B	1.04	1.91	0.410	1.14	0.358	0.283	0.493A	---	4
5	---	---	0.421B	0.465B	1.00	1.66	0.379	0.843	0.357	0.277	---	---	5
6	---	---	0.424B	0.536B	1.01	1.47	0.361	0.723	0.357	0.279	---	---	6
7	---	---	0.426B	0.564B	1.32	1.36	0.346	0.603	0.351	0.284	---	---	7
8	---	---	0.419B	0.583B	2.02	1.25	0.342	0.545	0.332	0.290	---	---	8
9	---	---	0.420B	0.488B	2.05	1.15	0.331	0.491	0.330	0.301	---	---	9
10	---	---	0.426B	0.551B	1.92	1.06	0.326	0.452	0.322	0.313	---	---	10
11	---	---	0.422B	0.515B	1.82	1.07	0.319	0.428	0.318	0.316	---	---	11
12	---	---	0.416B	0.618B	1.65	1.08	0.323	0.394	0.328	0.318	---	---	12
13	---	---	0.432B	0.595B	1.54	1.08	0.329	0.366	0.323	0.330	---	---	13
14	---	---	0.428B	0.609B	1.41	1.24	0.321	0.348	0.307	0.340	---	---	14
15	---	---	0.414B	0.648B	1.38	1.34	0.434	0.337	0.314	0.352	---	---	15
16	---	---	0.417B	0.635B	1.39	1.20	0.606	0.318	0.306	0.352	---	---	16
17	---	---	0.418B	0.765B	1.34	1.12	0.510	0.314	0.305	0.350	---	---	17
18	---	---	0.432B	0.868B	1.28	1.02	0.443	0.299	0.299	0.352	---	---	18
19	---	---	0.411B	0.938B	1.24	0.928	0.408	0.283	0.313	0.354	---	---	19
20	---	---	0.431B	1.01 B	1.23	0.862	0.429	0.273	0.330	0.357	---	---	20
21	---	---	0.432B	1.11 B	1.31	0.806	0.478	0.265	0.343	0.360	---	---	21
22	---	---	0.411B	1.11 B	1.26	0.742	0.515	0.259	0.447	0.364	---	---	22
23	---	0.451B	0.386B	1.14	1.53	0.688	0.549	0.256	0.455	0.354	---	---	23
24	---	0.466B	0.386B	1.17	1.66	0.645	0.559	0.248	0.411	0.380	---	---	24
25	---	0.457B	0.392B	1.10	1.50	0.608	0.515	0.253	0.391	0.440	---	---	25
26	---	0.447B	0.391B	1.12	1.49	0.580	0.473	0.259	0.377	0.486	---	---	26
27	---	0.443B	0.406B	1.02	1.80	0.558	0.449	0.267	0.358	0.482	---	---	27
28	---	0.442B	0.410B	0.998	1.99	0.539	0.456	0.273	0.343	0.474	---	---	28
29	---		0.424B	0.977	2.14	0.519	0.470	0.295	0.328	0.486	---	---	29
30	---		0.435B	0.972	1.94	0.494	0.856	0.326	0.316	0.478	---	---	30
31	---		0.468B		1.89		1.26	0.350		0.468		---	31
TOTAL	---	---	13.045	23.132	46.154	33.419	14.569	15.128	10.326	11.105	---	---	TOTAL
MEAN	---	---	0.421	0.771	1.49	1.11	0.470	0.488	0.344	0.358	---	---	MEAN
MAX	---	---	0.468	1.17	2.14	2.21	1.26	1.55	0.455	0.486	---	---	MAX
MIN	---	---	0.386	0.465	0.969	0.494	0.319	0.248	0.299	0.277	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.681
MAXIMUM DAILY, 2.21 ON JUN 2
MINIMUM DAILY, 0.248 ON AUG 24
MAXIMUM INSTANTANEOUS,
2.24 AT 11:25 MST ON JUN 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 00 N
LONG 116 41 50 W
DRAINAGE AREA, 166 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 260
FEB	---	AUG	1 310
MAR	1 130	SEP	892
APR	2 000	OCT	959
MAY	3 990	NOV	---
JUN	2 890	DEC	---

TOTAL DISCHARGE, 14 400 dam³

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.280B	2.15	3.05	5.29	4.12	0.325	---	---	1
2	---	---	---	---	0.282B	2.44	3.31	4.86	2.83	0.363	---	---	2
3	---	---	---	---	0.287B	2.78	4.74	4.78	2.00	0.248	---	---	3
4	---	---	---	---	0.290B	2.56	6.50	5.02	2.00	0.216	---	---	4
5	---	---	---	---	0.295B	2.03	6.73	5.31	2.15	0.198	---	---	5
6	---	---	---	---	0.297E	1.96	5.48	5.95	2.26	0.210	---	---	6
7	---	---	---	---	0.294E	1.46	3.20	7.00	2.82	0.227	---	---	7
8	---	---	---	---	0.285E	1.13	1.85	6.90	4.85	0.218	---	---	8
9	---	---	---	---	0.290E	1.05	1.49	6.67	6.93	0.176	---	---	9
10	---	---	---	---	0.300E	1.12	1.67	7.33	4.99	0.155	---	---	10
11	---	---	---	---	0.320E	1.10	2.34	8.07	4.28	0.144	---	---	11
12	---	---	---	---	0.337E	0.962	2.95	9.52	3.04	0.136	---	---	12
13	---	---	---	---	0.350E	0.938	3.63	8.43	1.99	0.136	---	---	13
14	---	---	---	---	0.362E	0.984	4.84	8.21	1.77	0.134	---	---	14
15	---	---	---	---	0.380E	1.24	4.69	8.87	2.16	0.134	---	---	15
16	---	---	---	---	0.382E	1.27	4.51	8.21	4.04	0.172	---	---	16
17	---	---	---	---	0.400E	1.14	5.06	7.48	4.94	0.179	---	---	17
18	---	---	---	---	0.450E	0.958	6.30	6.52	5.19	0.160	---	---	18
19	---	---	---	---	0.498A	0.877	6.83	7.60	5.87	0.146	---	---	19
20	---	---	---	---	0.641	0.918	6.55	7.43	2.54	0.122	---	---	20
21	---	---	---	---	0.738	0.866	6.29	5.75	1.25	0.117	---	---	21
22	---	---	---	---	0.916	0.817	5.67	5.07	0.860	0.113A	---	---	22
23	---	---	---	---	1.41	0.843	6.15	5.92	0.628	0.107E	---	---	23
24	---	---	---	---	2.11	0.905	5.50	6.13	0.486	0.104E	---	---	24
25	---	---	---	---	2.41	1.21	4.99	6.86	0.406	0.102E	---	---	25
26	---	---	---	---	2.90	1.92	5.39	7.53	0.354	0.102E	---	---	26
27	---	---	---	---	2.69	2.36	6.89	6.34	0.323	0.102E	---	---	27
28	---	---	---	---	2.32	1.58	9.08	4.62	0.301	0.101E	---	---	28
29	---		---	---	2.09	2.03	6.30	4.90	0.268	0.101E	---	---	29
30	---		---	---	2.07	2.94	5.10	3.91	0.253	0.100E	---	---	30
31	---		---		1.99		4.96	3.02		0.100E		---	31
TOTAL	---	---	---	---	28.664	44.538	152.04	199.50	75.899	4.948	---	---	TOTAL
MEAN	---	---	---	---	0.925	1.48	4.90	6.44	2.53	0.160	---	---	MEAN
MAX	---	---	---	---	2.90	2.94	9.08	9.52	6.93	0.363	---	---	MAX
MIN	---	---	---	---	0.280	0.817	1.49	3.02	0.253	0.100	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.75
MAXIMUM DAILY, 9.52 ON AUG 12
MINIMUM DAILY, 0.100E ON OCT 30
MAXIMUM INSTANTANEOUS,
11.9 AT 18:10 MST ON AUG 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 10 N
LONG 117 14 00 W
DRAINAGE AREA, 47.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 100
FEB	---	AUG	17 200
MAR	---	SEP	6 560
APR	---	OCT	428
MAY	2 480	NOV	---
JUN	3 850	DEC	---

TOTAL DISCHARGE, 43 600 dam³

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.804B	1.25 B	0.918B	5.51B	35.3	31.3	8.28	8.22	0.897	2.45	2.48	0.469B	1
2	0.761B	1.30 B	0.897B	6.37B	39.1	30.1	7.68	7.49	1.16	2.21	2.61	0.498B	2
3	0.708B	1.30 B	0.955B	6.75B	36.1	29.3	6.76	6.77	1.20	1.99	2.62	0.536B	3
4	0.634B	1.31 B	0.900B	7.36B	31.8	37.3	5.92	5.73	1.10	1.80	2.68	0.480B	4
5	0.612B	1.31 B	0.863B	7.46B	28.2	28.5	5.21	4.89	1.00	1.66	2.67	0.496B	5
6	0.674B	1.29 B	0.869B	10.1 B	25.6	21.1	4.68	4.44	0.964	1.59	2.61	0.476B	6
7	0.694B	1.27 B	0.850B	11.9 B	24.0	22.0	4.41A	3.90	0.988	1.54	2.60	0.460B	7
8	0.701B	1.28 B	0.803B	12.3 B	25.8	21.6	5.51A	3.37	0.948	1.67	2.49	0.464B	8
9	0.741B	1.23 B	0.667B	10.3 B	25.6	16.8	5.90A	2.92	0.815	2.78	1.84	0.454B	9
10	0.815B	1.10 B	0.613B	8.46B	23.4	13.9	4.84A	2.58	0.724	3.72	2.12	0.442B	10
11	0.883B	0.959B	0.777B	6.68B	22.7	12.7	4.05A	2.27	0.639	3.18	2.56	0.436B	11
12	0.946B	0.821B	1.03 B	5.20B	21.4	13.1	3.79A	2.02	0.569	2.68	2.11	0.433B	12
13	0.991B	0.755B	1.18 B	5.08B	20.1	16.3	3.67A	1.78	0.541	2.42	2.53	0.427B	13
14	1.03 B	0.729B	1.29 B	5.46B	19.3	22.4	4.85E	1.60	0.520	2.26	2.31 B	0.424B	14
15	1.06 B	0.714B	1.52 B	5.36B	18.9	20.9	6.02A	1.49	0.515	2.32	2.36 B	0.424B	15
16	1.07 B	0.727B	2.03 B	7.53B	17.7	18.2	6.91A	1.36	0.495	3.15	2.58 B	0.419B	16
17	1.10 B	0.784B	2.58 B	10.9 B	16.6	33.3	7.27A	1.25	0.494	4.09	2.02 B	0.404B	17
18	1.08 B	0.849B	2.64 B	12.7 B	16.5	71.9	6.08A	1.18	0.466	3.86	0.830B	0.386B	18
19	1.08 B	0.968B	2.21 B	13.0 B	17.6	51.0	4.76A	1.09	0.460	3.28	0.528B	0.404B	19
20	1.07 B	1.10 B	1.91 B	19.8	17.7	40.9	4.03A	1.01	0.585	2.88	0.936B	0.396B	20
21	1.05 B	1.22 B	1.72 B	27.5	17.0	36.1	7.34A	0.947	1.13	2.74	1.09 B	0.399B	21
22	1.02 B	1.33 B	1.50 B	28.7	16.3	31.0	36.6 A	0.908	3.09	2.48	0.803B	0.436B	22
23	1.03 B	1.43 B	1.39 B	28.6	16.2	26.0	87.4 A	0.855	2.76	1.73	0.630B	0.448B	23
24	1.04 B	1.47 B	1.21 B	34.6	17.3	24.4	58.3 A	0.836	3.17	1.84	0.568B	0.402B	24
25	1.04 B	1.28 B	1.30 B	59.5	16.9	20.9	41.7 A	0.775	4.50	2.26	0.509B	0.360B	25
26	1.06 B	1.13 B	1.45 B	47.4	15.0	16.6	24.1 A	0.734	4.84	2.44	0.453B	0.388B	26
27	1.12 B	1.10 B	1.75 B	33.1	14.0	13.4	16.0 A	0.656	4.43	2.63	0.448B	0.410B	27
28	1.14 B	0.980B	2.04 B	30.8	13.2	11.5	14.9 A	0.612	3.65	3.21	0.453P	0.402B	28
29	1.17 B		2.52 B	31.0	12.8	9.99	12.9 A	0.593	3.07	2.97	0.453B	0.406B	29
30	1.19 B		3.59 B	31.8	12.5	8.81	10.7	0.590	2.74	2.92	0.467B	0.304B	30
31	1.22 B		4.59 B		13.1		9.48	0.669		2.27		0.253B	31
TOTAL	29.534	30.986	48.562	531.22	647.7	751.30	430.04	73.535	48.460	79.02	49.358	13.136	TOTAL
MEAN	0.953	1.11	1.57	17.7	20.9	25.0	13.9	2.37	1.62	2.55	1.65	0.424	MEAN
MAX	1.22	1.47	4.59	59.5	39.1	71.9	87.4	8.22	4.84	4.09	2.68	0.536	MAX
MIN	0.612	0.714	0.613	5.08	12.5	8.81	3.67	0.590	0.460	1.54	0.448	0.253	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.49
MAXIMUM DAILY, 87.4A ON JUL 23
MINIMUM DAILY, 0.253B ON DEC 31
MAXIMUM INSTANTANEOUS,
97.2 AT 06:30 MST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 00 N
LONG 115 24 30 W
DRAINAGE AREA, 1 930 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 550	JUL	37 200
FEB	2 680	AUG	6 350
MAR	4 200	SEP	4 190
APR	45 900	OCT	6 830
MAY	56 000	NOV	4 260
JUN	64 900	DEC	1 130

TOTAL DISCHARGE, 236 000 dam³

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.200B	0.340B	4.32	4.29	1.30	1.84	0.267	0.519	0.415	---	1
2	---	---	0.208B	0.326B	5.13	3.48	1.06	1.76	0.240	0.476	0.422	---	2
3	---	---	0.216B	0.281B	3.51	3.76	0.918	1.34	0.221	0.441	0.419	---	3
4	---	---	0.220B	0.265B	3.03	3.44	0.841	1.04	0.232	0.414	0.422A	---	4
5	---	---	0.202B	0.401B	2.80	2.55	0.720	0.934	0.252	0.409	---	---	5
6	---	---	0.178B	0.495B	2.49	2.23	0.644	0.781	0.241	0.398	---	---	6
7	---	---	0.165B	0.319B	2.84	2.21	0.735	0.654	0.213	0.434	---	---	7
8	---	---	0.172B	0.275B	3.25	1.77	0.725	0.568	0.200	0.541	---	---	8
9	---	---	0.168B	0.232B	2.57	1.45	0.614	0.511	0.186	0.644	---	---	9
10	---	---	0.166B	0.225B	2.23	1.32	0.531	0.446	0.180	0.537	---	---	10
11	---	---	0.168B	0.215B	2.17	1.40	0.482	0.392	0.169	0.491	---	---	11
12	---	---	0.170B	0.216B	2.02	2.63	0.461	0.348	0.157	0.454	---	---	12
13	---	---	0.177B	0.226B	2.00	5.04	0.461	0.319	0.162	0.444	---	---	13
14	---	---	0.195B	0.251B	1.92	4.87	0.705	0.265	0.169	0.482	---	---	14
15	---	---	0.209B	0.506B	1.79	3.55	1.40	0.257	0.168	0.597	---	---	15
16	---	---	0.219B	0.688B	1.59	3.20	1.48	0.240	0.169	0.644	---	---	16
17	---	---	0.211B	0.536B	1.51	5.96	1.03	0.223	0.163	0.588	---	---	17
18	---	---	0.199B	0.616B	1.56	5.40	0.756	0.214	0.171	0.531	---	---	18
19	---	---	0.191B	1.10 B	1.54	4.01	0.614	0.209	0.192	0.487	---	---	19
20	---	---	0.181B	1.64 B	1.51	3.97	3.21 A	0.206	0.681	0.424	---	---	20
21	---	---	0.170B	1.86 B	1.69	3.46	3.93	0.213	0.686	0.273B	---	---	21
22	---	---	0.160B	2.06 B	2.15	2.94	10.2	0.201	0.565	0.267B	---	---	22
23	---	---	0.140B	2.01 B	2.08	2.47	9.59	0.197	1.20	0.274B	---	---	23
24	---	---	0.144B	3.27 B	1.97	2.52	7.50	0.186	1.19	0.261B	---	---	24
25	---	---	0.160B	3.25 B	1.79	2.18	5.28	0.176	1.30	0.334B	---	---	25
26	---	---	0.220B	2.26 B	1.58	1.82	3.70	0.167	1.07	0.480B	---	---	26
27	---	---	0.320B	1.56 B	1.57	1.52	2.78	0.162	0.817	0.463B	---	---	27
28	---	---	0.360B	2.16 B	1.45	1.40	2.15	0.161	0.702	0.411B	---	---	28
29	---		0.380B	3.08	1.43	1.32	1.85	0.177	0.616	0.352B	---	---	29
30	---		0.360B	3.47	1.38	1.25	1.66	0.242	0.544	0.338B	---	---	30
31	---		0.350B		3.38		1.45	0.292		0.413		---	31
TOTAL	---	---	6.579	34.133	70.25	87.41	68.777	14.721	13.123	13.821	---	---	TOTAL
MEAN	---	---	0.212	1.14	2.27	2.91	2.22	0.475	0.437	0.446	---	---	MEAN
MAX	---	---	0.380	3.47	5.13	5.96	10.2	1.84	1.30	0.644	---	---	MAX
MIN	---	---	0.140	0.215	1.38	1.25	0.461	0.161	0.157	0.261	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.26
MAXIMUM DAILY, 10.2 ON JUL 22
MINIMUM DAILY, 0.140B ON MAR 23
MAXIMUM INSTANTANEOUS,
13.0 AT 20:30 MST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 00 N
LONG 115 28 00 W
DRAINAGE AREA, 156 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 940
FEB	---	AUG	1 270
MAR	568	SEP	1 130
APR	2 950	OCT	1 190
MAY	6 070	NOV	---
JUN	7 550	DEC	---

TOTAL DISCHARGE, 26 700 dam³

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.16	4.79	5.10	0.003	12.4	17.7	17.4	3.00	0	---	1
2	---	---	1.16	13.0	5.72	0.003	15.3	15.2	18.5	0.850	0	---	2
3	---	---	1.64	13.6	5.86	0.002	15.7	13.9	19.2	0	0	---	3
4	---	---	2.35	14.0	6.00	0.002	15.1	13.9	19.0	0	0	---	4
5	---	---	4.08	13.6	6.09	0.002	15.0	14.9	18.7	0	---	---	5
6	---	---	5.15	13.3	6.14	0.002	15.5	16.4	18.5	0	---	---	6
7	---	---	5.10	13.4	4.30	0.001	16.3	17.9	18.2	0	---	---	7
8	---	---	6.34	13.3	2.35	0.001	16.6	18.4	17.8	0	---	---	8
9	---	---	9.00	12.9	1.81	0.001	14.0	18.3	18.2	0	---	---	9
10	---	---	12.1	13.3	1.78	0.001	11.2	18.2	18.4	0	---	---	10
11	---	---	14.0	13.8	1.81	0.001	8.93	18.0	18.0	0	---	---	11
12	---	---	18.5	13.5	1.81	0.002	8.56	17.9	17.6	0	---	---	12
13	---	---	18.5	12.7	4.02	0.012	7.25	17.8	17.3	0	---	---	13
14	---	---	16.1	11.7	8.16	2.63	9.46	17.7	17.0	0.037	---	---	14
15	---	---	14.6	9.43	5.89	2.69	10.4	17.6	17.3	0.054	---	---	15
16	---	---	14.6	5.83	1.81	2.66	12.3	17.5	17.3	0.031	---	---	16
17	---	---	14.9	3.85	1.84	2.66	15.1	17.4	16.9	0.022	---	---	17
18	---	0.003B	14.7	3.00	3.03	2.66	17.9	17.2	17.1	0.016	---	---	18
19	---	0.003B	14.5	2.75	2.66	4.22	19.0	17.1	17.4	0.013	---	---	19
20	---	0.003B	14.3	3.00	2.07	6.94	20.8	17.0	17.2	0.009	---	---	20
21	---	0.003B	14.1	3.45	1.10	7.99	16.6	16.9	16.7	0.006	---	---	21
22	---	0.006B	14.0	4.47	0.181	9.40	11.6	17.5	16.1	0.003	---	---	22
23	---	0.006B	14.5	5.18	0.139	10.4	10.3	17.7	16.0	0.002	---	---	23
24	---	0.005B	15.9	9.06	0.113	10.5	10.1	17.6	16.4	0.002	---	---	24
25	---	0.004B	16.6	15.4	0.099	8.98	7.50	16.8	16.9	0.001	---	---	25
26	---	0.003	16.3	17.0	0.025	6.51	5.69	16.3	16.7	0	---	---	26
27	---	0.736	16.0	16.3	0.010	7.36	8.95	16.1	14.5	0	---	---	27
28	---	1.19	15.7	9.43	0.007	16.2	17.3	16.6	10.5	0	---	---	28
29	---		14.1	2.54	0.006	15.6	21.8	16.8	6.12	0	---	---	29
30	---		11.9	3.65	0.006	13.0	16.7	16.7	3.94	0	---	---	30
31	---		5.58		0.003		18.7	17.2		0		---	31
TOTAL	---	---	357.46	291.63	79.939	130.433	414.04	526.2	490.86	4.046	---	---	TOTAL
MEAN	---	---	11.5	9.72	2.58	4.35	13.4	17.0	16.4	0.131	---	---	MEAN
MAX	---	---	18.5	17.0	8.16	16.2	21.8	18.4	19.2	3.00	---	---	MAX
MIN	---	---	1.16	2.75	0.003	0.001	4.56	13.9	3.94	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.37
MAXIMUM DAILY, 21.8 ON JUL 29
MINIMUM DAILY, 0 ON OCT 3
MAXIMUM INSTANTANEOUS,
65.1 AT 12:00 MDT ON JUL 15

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 50 00 N
LONG 113 30 50 W
DRAINAGE AREA, 168 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	35 800
FEB	---	AUG	45 500
MAR	30 900	SEP	42 400
APR	25 200	OCT	350
MAY	6 910	NOV	---
JUN	11 300	DEC	---

TOTAL DISCHARGE, 198 000 dam³

SYLVAN LAKE AT SYLVAN LAKE - STATION NO. 05CC003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	936.233	---	936.237	936.483	936.430	936.377	---	---	1
2	---	---	---	---	---	936.351	936.232	---	---	---	936.291	---	2
3	---	---	936.219	---	936.238	---	936.232	936.480	936.430	936.376	---	---	3
4	---	---	---	---	936.238	936.348	---	---	936.430	---	---	---	4
5	---	---	---	---	---	---	936.236	936.482	---	936.376	---	---	5
6	---	---	---	---	936.278	936.350	---	---	936.400	---	---	---	6
7	---	---	---	---	---	---	936.277	936.478	---	936.351	---	---	7
8	---	---	---	---	---	936.346	---	---	---	---	---	---	8
9	---	---	---	---	936.293	---	936.276	---	---	936.396	---	---	9
10	---	---	---	---	---	936.348	---	936.480	936.384	---	---	---	10
11	---	---	---	---	936.338	---	936.286	---	---	936.381	---	---	11
12	---	---	---	---	---	936.350	---	---	936.381	---	---	---	12
13	---	---	---	---	936.343	---	936.311	936.477	---	936.371	---	---	13
14	---	---	---	936.223	---	936.353	936.356	---	---	---	---	---	14
15	---	---	---	---	---	---	---	936.477	---	936.361	---	---	15
16	---	---	---	---	936.343	936.355	---	936.475	---	---	---	---	16
17	---	---	---	---	---	---	936.430	---	---	---	---	---	17
18	---	---	936.246	---	936.348	936.355	---	936.473	936.353	---	---	---	18
19	---	---	---	---	---	---	936.430	---	---	936.316	---	---	19
20	---	---	---	---	936.348	936.355	936.425	936.446	936.383	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	936.340	936.410	936.436	936.403	936.316	---	---	22
23	---	---	---	---	936.353	---	936.420	---	---	---	---	---	23
24	---	---	---	---	---	---	936.420	936.419	936.407	---	---	---	24
25	---	---	---	---	936.353	936.333	936.414	---	---	---	---	---	25
26	---	---	---	---	---	---	---	936.431	936.407	---	---	---	26
27	---	---	---	---	936.353	---	936.414	---	---	936.301	---	---	27
28	---	---	---	---	---	---	936.424	936.429	936.407	---	---	---	28
29	---	---	---	---	936.363	---	936.414	936.430	---	---	---	---	29
30	---	---	---	---	---	---	---	---	936.392	936.291	---	---	30
31	---		936.203		936.353		936.499	---	---	---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 18 35 N
LONG 114 05 55 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	1.51	0.030	0.002	0.004	0	0	---	---	1
2	---	---	0B	0.001B	1.37	0.027	0.001	0.005	0	0	---	---	2
3	---	---	0B	0.016B	1.25	0.021	0.001	0.004	0	0	---	---	3
4	---	---	0B	0.078B	1.08	0.017	0	0.003	0	0	---	---	4
5	---	---	0B	0.110B	0.957	0.048	0	0.002	0	0	---	---	5
6	---	---	0B	0.086B	0.900	0.050	0	0	0	0	---	---	6
7	---	---	0B	0.064B	0.843	0.116	0	0	0	0	---	---	7
8	---	---	0B	0.010B	0.738	0.096	0	0	0	0	---	---	8
9	---	---	0B	0.001B	0.631	0.076	0	0	0	0	---	---	9
10	---	---	0B	0 B	0.526	0.071	0	0	0	0	---	---	10
11	---	---	0B	0 B	0.451	0.092	0	0	0	0	---	---	11
12	---	---	0B	0 B	0.398	0.153	0	0	0	0	---	---	12
13	---	---	0B	0 B	0.340	0.139	0	0	0	0	---	---	13
14	---	---	0B	0 B	0.282	0.100	0.018	0	0	0	---	---	14
15	---	---	0B	0 B	0.218	0.081	0.015	0	0	0	---	---	15
16	---	---	0B	0 B	0.178	0.072	0.005	0	0	0	---	---	16
17	---	---	0B	0 B	0.147	0.065	0.002	0	0	0	---	---	17
18	---	---	0B	0 B	0.120	0.056	0	0	0	0	---	---	18
19	---	---	0B	0.015B	0.097	0.053	0	0	0	0	---	---	19
20	---	---	0B	0.149B	0.086	0.049	0.001	0	0	0	---	---	20
21	---	---	0B	0.393B	0.060	0.036	0.004	0	0	0	---	---	21
22	---	---	0B	0.454B	0.039	0.030	0.005	0	0	0	---	---	22
23	---	---	0B	0.518B	0.036	0.020	0.006	0	0	0	---	---	23
24	---	0B	0B	0.475B	0.067	0.014	0.005	0	0	0	---	---	24
25	---	0B	0B	0.954B	0.063	0.011	0.003	0	0	0	---	---	25
26	---	0B	0B	1.18 B	0.056	0.009	0.002	0	0	0	---	---	26
27	---	0B	0B	1.10 B	0.052	0.008	0.002	0	0	0	---	---	27
28	---	0B	0B	0.968B	0.057	0.006	0.001	0	0	0	---	---	28
29	---		0B	1.28	0.047	0.003	0	0	0	0	---	---	29
30	---		0B	1.58	0.039	0.002	0	0	0	0	---	---	30
31	---		0B		0.034		0	0		0		---	31
TOTAL	---	---	0	9.432	12.672	1.551	0.073	0.018	0	0	---	---	TOTAL
MEAN	---	---	0	0.314	0.409	0.052	0.002	0.001	0	0	---	---	MEAN
MAX	---	---	0	1.58	1.51	0.153	0.018	0.005	0	0	---	---	MAX
MIN	---	---	0	0	0.034	0.002	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.58 ON APR 30
MINIMUM DAILY, 0B ON FEB 24
MAXIMUM INSTANTANEOUS,
1.63 AT 10:00 MST ON APR 30

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 16 N
LONG 116 14 55 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.31
FEB	---	AUG	1.56
MAR	0	SEP	0
APR	815	OCT	0
MAY	1 090	NOV	---
JUN	134	DEC	---

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.085B	0.224	0.045E	0.011E	0 E	0.402	0	0	0	---	1
2	---	---	0.093B	0.198E	0.045E	0.014	0 E	0.237E	0	0	0	---	2
3	---	---	0.108B	0.173E	0.045E	0.020E	0 E	0.072	0	0	---	---	3
4	---	---	0.124B	0.147	0.150E	0.026	0 E	0.061	0	0	---	---	4
5	---	---	0.140B	0.118E	0.450E	0.029	0 E	0.054	0	0	---	---	5
6	---	---	0.155B	0.088E	1.20 E	0.027E	0 E	0.049E	0	0	---	---	6
7	---	---	0.171B	0.059	2.76	0.025E	0 E	0.043	0	0	---	---	7
8	---	---	0.186B	0.047E	1.33	0.023E	0 E	0.039E	0	0	---	---	8
9	---	---	0.202B	0.034	0.971E	0.021	0 E	0.035E	0	0	---	---	9
10	---	---	0.217B	0.036E	0.612E	0.019E	0 E	0.031	0	0	---	---	10
11	---	---	0.303B	0.037E	0.253	0.017E	0 E	0.029E	0	0	---	---	11
12	---	---	0.388B	0.038E	0.206E	0.016E	0 E	0.027E	0	0	---	---	12
13	---	---	0.474B	0.040E	0.160E	0.014E	0 E	0.026E	0	0	---	---	13
14	---	---	0.424B	0.041E	0.113	0.012E	0 E	0.024E	0	0	---	---	14
15	---	---	0.374B	0.043	0.102E	0.010	0 E	0.022E	0	0	---	---	15
16	---	---	0.352B	0.044E	0.091E	0.009E	0	0.020E	0	0	---	---	16
17	---	---	0.330B	0.046E	0.080E	0.008E	0 E	0.018E	0	0	---	---	17
18	---	---	0.277B	0.048E	0.069	0.007E	0 E	0.016E	0	0	---	---	18
19	---	---	0.225B	0.049E	0.049	0.006	0 E	0.014	0	0	---	---	19
20	---	---	0.197B	0.051	0.048E	0.004E	0 E	0.012E	0	0	---	---	20
21	---	---	0.199E	0.049E	0.048E	0.002E	0 E	0.010E	0	0	---	---	21
22	---	---	0.202E	0.047E	0.047	0	0 E	0.008E	0	0	---	---	22
23	---	---	0.204E	0.046	0.041E	0	0 E	0.006E	0	0	---	---	23
24	---	---	0.207E	0.045E	0.034E	0 E	0 E	0.004	0	0	---	---	24
25	---	---	0.209	0.045E	0.028E	0 E	0	0.001	0	0	---	---	25
26	---	---	0.205E	0.045E	0.021E	0 E	0 E	0.001E	0	0	---	---	26
27	---	---	0.200E	0.045E	0.015E	0 E	0	0	0	0	---	---	27
28	---	---	0.196	0.045E	0.009E	0 E	0	0	0	0	---	---	28
29	---		0.203E	0.045E	0.002	0 E	0.002E	0	0	0	---	---	29
30	---		0.210E	0.045E	0.005E	0 E	0.005	0	0	0	---	---	30
31	---		0.217E		0.008E		0.203E	0		0		---	31
TOTAL	---	---	7.077	2.018	9.037	0.320	0.210	1.261	0	0	---	---	TOTAL
MEAN	---	---	0.228	0.067	0.292	0.011	0.007	0.041	0	0	---	---	MEAN
MAX	---	---	0.474	0.224	2.76	0.029	0.203	0.402	0	0	---	---	MAX
MIN	---	---	0.085	0.034	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 2.76 ON MAY 7
MINIMUM DAILY, 0 ON JUN 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 59 10 N
LONG 113 34 04 W
DRAINAGE AREA, 197 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18.1
FEB	---	AUG	109
MAR	611	SEP	0
APR	174	OCT	0
MAY	781	NOV	---
JUN	27.6	DEC	---

TOTAL DISCHARGE, 1 720 dam³

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.300B	0.440B	0.035	0.100	0.009	0.485	0.006	0.060	0.079	---	1
2	---	---	0.140B	0.450B	0.034	0.090	0.028	0.170	0.006	0.057	0.080A	---	2
3	---	---	0.170B	0.400B	0.036	0.082	0.025	0.109	0.006	0.053	---	---	3
4	---	---	0.310B	0.353	0.034	0.065	0.020	0.271	0.007	0.051	---	---	4
5	---	---	0.590B	0.262	0.040	0.050	0.020	0.132	0.007	0.040	---	---	5
6	---	---	0.600B	0.252	0.559	0.040	0.020	0.081	0.010	0.039	---	---	6
7	---	---	0.350B	0.195	7.30	0.038	0.019	0.074	0.007	0.044	---	---	7
8	---	---	0.270B	0.154	7.80	0.039	0.025	0.057	0.005	0.050	---	---	8
9	---	---	0.750B	0.129	4.26	0.043	0.025	0.045	0.014	0.044	---	---	9
10	---	---	1.60 B	0.315	2.78	0.042	0.021	0.036	0.021	0.049	---	---	10
11	---	---	2.30 B	0.455	2.88	0.057	0.019	0.027	0.015	0.052	---	---	11
12	---	---	2.95 B	0.486	2.76	0.045	0.020	0.023	0.010	0.041	---	---	12
13	---	---	2.55 B	0.375	2.27	0.035	0.032	0.019	0.008	0.047	---	---	13
14	---	---	2.40 B	0.257	1.78	0.035	0.038	0.017	0.008	0.060	---	---	14
15	---	---	2.30 B	0.199	1.43	0.032	0.040	0.013	0.007	0.062	---	---	15
16	---	---	2.00 B	0.138	1.17	0.028	0.097	0.010	0.005	0.067	---	---	16
17	---	---	1.60 B	0.120	0.971	0.023	0.107	0.011	0.004	0.061	---	---	17
18	---	---	1.00 B	0.096	0.785	0.023	0.129	0.092	0.003	0.064	---	---	18
19	---	---	0.550B	0.085	0.658	0.023	0.093	0.384	0.004	0.070	---	---	19
20	---	---	0.280B	0.091	0.605	0.019	1.13	0.095	0.008	0.073	---	---	20
21	---	---	0.920B	0.107	0.558	0.016	0.306	0.047	0.008	0.062	---	---	21
22	---	---	0.650B	0.108	0.458	0.014	0.174	0.032	0.014	0.056	---	---	22
23	---	2.89 B	0.470B	0.085	0.394	0.012	0.113	0.019	0.022	0.065	---	---	23
24	---	2.00 B	0.400B	0.074	0.343	0.010	0.110	0.014	0.022	0.085	---	---	24
25	---	1.50 B	0.370B	0.064	0.289	0.009	0.079	0.009	0.035	0.094	---	---	25
26	---	1.20 B	0.370B	0.060	0.232	0.008	0.062	0.007	0.063	0.085	---	---	26
27	---	0.900B	0.380B	0.045	0.207	0.008	0.054	0.005	0.055	0.090	---	---	27
28	---	0.550B	0.380B	0.041	0.191	0.008	0.050	0.007	0.050	0.094	---	---	28
29	---		0.390B	0.040	0.162	0.007	0.944	0.008	0.064	0.087	---	---	29
30	---		0.390B	0.038	0.121	0.006	2.45	0.007	0.062	0.085	---	---	30
31	---		0.410B		0.099		0.866	0.006		0.085		---	31
TOTAL	---	---	28.140	5.914	41.241	1.007	7.125	2.312	0.556	1.972	---	---	TOTAL
MEAN	---	---	0.908	0.197	1.33	0.034	0.230	0.075	0.019	0.064	---	---	MEAN
MAX	---	---	2.95	0.486	7.80	0.100	2.45	0.485	0.064	0.094	---	---	MAX
MIN	---	---	0.140	0.038	0.034	0.006	0.009	0.005	0.003	0.039	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.360
MAXIMUM DAILY, 7.80 ON MAY 8
MINIMUM DAILY, 0.003 ON SEP 18
MAXIMUM INSTANTANEOUS,
10.3 AT 00:25 MST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 53 N
LONG 113 04 18 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	616
FEB	---	AUG	200
MAR	2 430	SEP	48.0
APR	511	OCT	170
MAY	3 560	NOV	---
JUN	87.0	DEC	---

TOTAL DISCHARGE, 7 620 dam³

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.156B	0.996	0.733	19.1	3.46	4.88	0.708	0.348	0.315	---	1
2	---	---	0.158B	0.759	0.819	17.9	3.69	4.56	0.671	0.321	0.319A	---	2
3	---	---	0.160B	0.581	0.767	12.9	2.98	4.05	0.659	0.326	---	---	3
4	---	---	0.144B	0.489	0.696	9.70	2.62	4.03	0.638	0.321	---	---	4
5	---	---	0.136B	0.476	1.14	7.65	2.44	3.71	0.673	0.314	---	---	5
6	---	---	0.127B	0.439	2.11	6.35	2.28	3.22	0.636	0.305	---	--	6
7	---	---	0.128B	0.407	3.49	5.45	2.42	2.81	0.582	0.295	---	---	7
8	---	---	0.126B	0.402	7.18	4.80	2.65	3.75	0.520	0.294	---	---	8
9	---	---	0.119B	0.408	8.11	4.33	2.15	3.15	0.488	0.295	---	---	9
10	---	---	0.123B	0.373	14.8	4.27	2.05	2.70	0.443	0.286	---	---	10
11	---	---	0.127B	0.380	16.2	4.08	1.93	2.40	0.418	0.292	---	---	11
12	---	---	0.138B	0.345	17.0	3.65	1.74	2.14	0.404	0.304	---	---	12
13	---	---	0.163B	0.267	17.8	10.7	1.65	2.01	0.389	0.298	---	---	13
14	---	---	0.180B	0.240	16.5	34.3	1.82	1.90	0.378	0.299	---	---	14
15	---	---	0.240B	0.273	11.5	22.6	2.04	1.77	0.371	0.291	---	---	15
16	---	---	0.332B	0.366	9.26	17.1	1.93	1.70	0.369	0.298	---	---	16
17	---	---	0.392B	0.464	13.2	13.6	2.31	1.84	0.345	0.294	---	---	17
18	---	---	0.404B	0.551	22.5	11.6	2.18	1.74	0.320	0.274	---	---	18
19	---	---	0.503B	0.597	23.7	9.21	1.93	1.55	0.347	0.275	---	---	19
20	---	---	0.372B	0.645	28.1	7.42	2.35	1.43	0.393	0.280	---	---	20
21	---	---	0.415B	0.816	30.3	6.45	2.83	1.26	0.432	0.281	---	---	21
22	---	---	0.344B	0.872	28.3	5.60	3.30	1.21	0.398	0.264	---	---	22
23	---	---	0.317	0.875	27.0	4.95	5.19	1.12	0.399	0.264	---	---	23
24	---	---	0.305	1.04	28.8	4.32	5.85	1.02	0.382	0.268	---	---	24
25	---	---	0.312	1.10	25.0	3.80	14.0	0.938	0.386	0.266	---	---	25
26	---	0.157B	0.388	0.925	28.9	3.39	8.92	0.863	0.391	0.283	---	---	26
27	---	0.162B	0.387	0.801	20.6	3.73	6.34	0.796	0.407	0.305	---	---	27
28	---	0.150B	0.442	0.743	14.7	4.15	5.08	0.720	0.389	0.326	---	---	28
29	---		0.605	0.720	10.9	3.34	5.26	0.692	0.372	0.326	---	---	29
30	---		0.879	0.727	8.67	2.96	6.01	0.696	0.368	0.334	---	---	30
31	---		1.14		8.27		5.23	0.716		0.325		---	31
TOTAL	---	---	9.762	18.077	447.045	269.40	114.63	65.371	13.676	9.252	---	---	TOTAL
MEAN	---	---	0.315	0.603	14.4	8.98	3.70	2.11	0.456	0.298	---	---	MEAN
MAX	---	---	1.14	1.10	30.3	34.3	14.0	4.88	0.708	0.348	---	---	MAX
MIN	---	---	0.119	0.240	0.696	2.96	1.65	0.692	0.320	0.264	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.87
MAXIMUM DAILY, 34.3 ON JUN 14
MINIMUM DAILY, 0.119B ON MAR 9
MAXIMUM INSTANTANEOUS,
45.2 AT 02:30 MST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 46 14 N
LONG 114 16 39 W
DRAINAGE AREA, 505 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 900
FEB	---	AUG	5 650
MAR	843	SEP	1 180
APR	1 560	OCT	799
MAY	38 600	NOV	---
JUN	23 300	DEC	---

TOTAL DISCHARGE, 81 800 dam³

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.245	2.11	0.802	0.315	0.163	0.163	---	---	1
2	---	---	---	---	0.239	1.38	0.755	0.266	0.158	0.158	---	---	2
3	---	---	---	---	0.233	1.38	0.675	0.287	0.148	0.148	---	---	3
4	---	---	---	---	0.277	1.37	0.625	0.308	0.105	0.135	---	---	4
5	---	---	---	---	2.23	1.21	0.745	0.266	0.058	0.138	---	---	5
6	---	---	---	---	2.79	1.13	0.484	0.270	0.094	0.133	---	---	6
7	---	---	---	---	1.51	1.10	0.493	0.263	0.138	0.127	---	---	7
8	---	---	---	---	1.64	1.07	0.511	0.245	0.115	0.127	---	---	8
9	---	---	---	---	1.51	1.04	0.520	0.239	0.109	0.131	---	---	9
10	---	---	---	---	0.964	1.04	0.515	0.230	0.092	0.133	---	---	10
11	---	---	---	---	0.970	0.982	0.515	0.200	0.089	0.138	---	---	11
12	---	---	---	---	2.90	1.39	0.533	0.230	0.086	0.135	---	---	12
13	---	---	---	---	1.98	2.62	0.580	0.230	0.083	0.129	---	---	13
14	---	---	---	---	0.640	8.56	0.630	0.200	0.080	0.125	---	---	14
15	---	---	---	---	0.542	2.16	0.570	0.635	0.103	0.119	---	---	15
16	---	---	---	---	1.99	1.61	0.670	0.390	0.099	0.115	---	---	16
17	---	---	---	---	2.17	1.54	0.630	0.402	0.083	0.111	---	---	17
18	---	---	---	---	2.92	1.47	0.533	0.230	0.080	0.113	---	---	18
19	---	---	---	---	1.56	1.40	0.524	0.200	0.085	0.094	---	---	19
20	---	---	---	---	1.66	0.745	0.358	0.218	0.071	0.097	---	---	20
21	---	---	---	---	1.71	0.982	0.446	0.194	0.074	0.099	---	---	21
22	---	---	---	0.322	2.63	1.01	0.533	0.163	0.085	0.103	---	---	22
23	---	---	---	---	2.68	1.06	0.533	0.168	0.083	0.105	---	---	23
24	---	---	---	---	2.99	1.02	1.27	0.153	0.097	0.109	---	---	24
25	---	---	---	---	2.83	0.886	1.55	0.153	0.117	0.091	---	---	25
26	---	---	---	---	5.36	0.922	1.67	0.148	0.145	0.080	---	---	26
27	---	---	---	---	3.31	0.994	0.256	0.150	0.135	0.107	---	---	27
28	---	---	---	---	2.69	1.01	0.252	0.155	0.160	0.092	---	---	28
29	---		---	---	2.45	0.862	0.249	0.150	0.194	0.095	---	---	29
30	---		---	---	2.18	0.755	0.354	0.153	0.326	0.103	---	---	30
31	---		---		2.20		0.366	0.168		0.107		---	31
TOTAL	---	---	---	---	60.000	48.808	19.147	7.379	3.855	3.660	---	---	TOTAL
MEAN	---	---	---	---	1.94	1.49	0.618	0.238	0.115	0.118	---	---	MEAN
MAX	---	---	---	---	5.36	8.56	1.67	0.635	0.326	0.163	---	---	MAX
MIN	---	---	---	---	0.233	0.745	0.249	0.148	0.058	0.080	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.752
MAXIMUM DAILY, 8.56 ON JUN 14
MINIMUM DAILY, 0.058 ON SEP 5

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 27 N
LONG 114 07 37 W
DRAINAGE AREA, 144 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 650
FEB	---	AUG	638
MAR	---	SEP	299
APR	---	OCT	316
MAY	5 180	NOV	---
JUN	3 870	DEC	---

TOTAL DISCHARGE, 12 000 dam³

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.866	1.39	0.386	0.151	0.036	0.032	0.046	0.024	1
2	---	---	---	---	0.819	1.22	0.368	0.138	0.038	0.036	0.044	0.025	2
3	---	---	---	---	0.714	1.08	0.339	0.129	0.033	0.036	0.045	0.027	3
4	---	---	---	---	0.681	0.998	0.316	0.125	0.031	0.033	0.055	0.026	4
5	---	---	---	---	0.766	0.911	0.262	0.117	0.031	0.033	0.054	0.022	5
6	---	---	---	---	0.811	0.862	0.267	0.106	0.030	0.037	0.053	0.020	6
7	---	---	---	---	0.809	0.797	0.276	0.096	0.029	0.032	0.052	0.021	7
8	---	---	---	---	1.12	0.754	0.272	0.089	0.027	0.031	0.051	0.025	8
9	---	---	---	---	1.45	0.692	0.240	0.074	0.028	0.033	0.049	0.027	9
10	---	---	---	---	1.72	0.636	0.236	0.073	0.028	0.037	0.046	0.026	10
11	---	---	---	---	1.46	0.599	0.241	0.078	0.025	0.042	0.050	0.026	11
12	---	---	---	---	1.26	0.614	0.219	0.076	0.022	0.052	0.056	0.025	12
13	---	---	---	---	1.14	1.41	0.206	0.063	0.024	0.063	0.062	0.025	13
14	---	---	---	---	1.08	3.05	0.200	0.058	0.026	0.064	0.066	0.024	14
15	---	---	---	0.535A	5.46	2.28	0.203	0.068	0.025	0.064	0.064	0.023	15
16	---	---	---	0.585	4.09	1.54	0.416	0.073	0.024	0.063	0.056	0.021	16
17	---	---	---	0.608	3.37	1.19	0.372	0.070	0.022	0.062	0.055	0.020	17
18	---	---	---	0.597	4.87	1.02	0.237	0.067	0.020	0.057	0.058	0.019	18
19	---	---	---	0.622	6.39	0.919	0.236	0.065	0.019	0.054	0.050	0.017	19
20	---	---	---	0.641	4.44	0.829	0.193	0.048	0.018	0.061	0.041	0.016	20
21	---	---	---	0.825	3.92	0.766	0.185	0.051	0.019	0.065	0.052	0.017	21
22	---	---	---	0.758	6.44	0.721	0.171	0.048	0.024	0.062	0.058	0.018	22
23	---	---	---	0.773	3.58	0.664	0.176	0.046	0.025	0.059	0.051	0.019	23
24	---	---	---	1.01	2.90	0.625	0.233	0.045	0.023	0.063	0.045	0.020	24
25	---	---	---	0.896	2.83	0.569	0.693	0.043	0.021	0.068	0.034	0.019	25
26	---	---	---	0.741	2.86	0.528	0.349	0.039	0.022	0.072	0.033	0.017	26
27	---	---	---	0.690	2.17	0.583	0.242	0.034	0.025	0.071	0.031	0.015	27
28	---	---	---	0.715	1.90	0.559	0.213	0.033	0.027	0.067	0.029	0.016	28
29	---		---	0.732	1.78	0.457	0.195	0.031	0.028	0.064	0.027	0.017	29
30	---		---	0.750	1.57	0.408	0.172	0.030	0.029	0.059	0.026	0.015	30
31	---		---		1.43		0.169	0.034		0.051		0.014	31
TOTAL	---	---	---	---	74.696	28.671	8.283	2.198	0.779	1.623	1.439	0.646	TOTAL
MEAN	---	---	---	---	2.41	0.956	0.267	0.071	0.026	0.052	0.048	0.021	MEAN
MAX	---	---	---	---	6.44	3.05	0.693	0.151	0.038	0.072	0.066	0.027	MAX
MIN	---	---	---	---	0.681	0.408	0.169	0.030	0.018	0.031	0.026	0.014	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.632
MAXIMUM DAILY, 6.44 ON MAY 22
MINIMUM DAILY, 0.018 ON SEP 20
MAXIMUM INSTANTANEOUS,
13.8 AT 16:20 MST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 00 N
LONG 113 32 00 W
DRAINAGE AREA, 36.0 km²
A - MANUAL GAUGE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	716
FEB	---	AUG	190
MAR	---	SEP	67.3
APR	---	OCT	140
MAY	6 450	NOV	124
JUN	2 480	DEC	55.8

TOTAL DISCHARGE, 10 000 dam³

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

NATURAL FLOW

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

TRAPP CREEK NEAR LONGVIEW - STATION NO. 05BL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.848	7.16	3.76	2.72	1.40	0.709	---	---	1
2	---	---	---	---	1.00	6.85	3.53	2.58	1.40	0.764	---	---	2
3	---	---	---	---	0.827	5.89	3.35	2.57	1.39	0.715	---	---	3
4	---	---	---	---	0.885	4.87	3.28	2.55	1.34	0.716	---	---	4
5	---	---	---	---	1.25	4.24	3.15	2.47	1.33	0.696	---	---	5
6	---	---	---	---	1.19	3.90	3.02	2.37	1.25	0.682	---	---	6
7	---	---	---	---	1.34	3.61	2.91	2.38	1.19	0.678	---	---	7
8	---	---	---	---	1.77	3.30	2.72	2.61	1.17	0.672	---	---	8
9	---	---	---	---	1.83	3.01	2.58	2.33	1.15	0.659	---	---	9
10	---	---	---	---	2.09	2.79	2.57	2.20	1.26	0.666	---	---	10
11	---	---	---	---	2.08	2.65	2.44	2.11	1.22	0.673	---	---	11
12	---	---	---	---	2.16	2.69	2.35	2.02	1.14	0.655	---	---	12
13	---	---	---	---	2.26	5.86	2.45	2.02	1.01	0.640	---	---	13
14	---	---	---	---	2.61	7.09	2.45	1.99	0.994	0.656	---	---	14
15	---	---	---	---	3.53	6.64	2.32	2.01	0.964	0.647	---	---	15
16	---	---	---	---	3.58	6.98	2.44	1.94	0.936	0.626	---	---	16
17	---	---	---	---	3.75	6.57	2.81	2.01	0.917	0.629	---	---	17
18	---	---	---	---	4.67	5.45	2.80	1.89	0.907	0.617	---	---	18
19	---	---	---	---	6.55	4.65	2.95	1.83	0.868	0.633	---	---	19
20	---	---	---	---	11.0	4.43	3.01	1.72	0.833	0.634	---	---	20
21	---	---	---	0.552A	15.0	4.26	3.07	1.62	0.825	0.620	---	---	21
22	---	---	---	0.577	16.6	3.90	3.21	1.50	0.816	0.646	---	---	22
23	---	---	---	0.616	19.0	3.64	3.34	1.39	0.791	0.592	---	---	23
24	---	---	---	0.714	17.8 A	3.41	3.25	1.33	0.787	0.601	---	---	24
25	---	---	---	0.732	15.8 A	3.32	4.38	1.22	0.796	0.609	---	---	25
26	---	---	---	0.677	22.4 A	3.34	3.99	1.16	0.770	0.652	---	---	26
27	---	---	---	0.654	16.0 E	4.09	3.59	1.13	0.764	0.627	---	---	27
28	---	---	---	0.645	8.77 A	3.73	3.30	1.27	0.746	0.601	---	---	28
29	---		---	0.652	7.36	3.59	3.22	1.49	0.724	0.606	---	---	29
30	---		---	0.658	6.86	3.53	3.00	1.51	0.727	0.610A	---	---	30
31	---		---		6.59		2.87	1.46		0.600E		---	31
TOTAL	---	---	---	---	207.400	135.44	94.11	59.40	30.415	20.131	---	---	TOTAL
MEAN	---	---	---	---	6.69	4.51	3.04	1.92	1.01	0.649	---	---	MEAN
MAX	---	---	---	---	22.4	7.16	4.38	2.72	1.40	0.764	---	---	MAX
MIN	---	---	---	---	0.827	2.65	2.32	1.13	0.724	0.592	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.97
MAXIMUM DAILY, 22.4A ON MAY 26
MINIMUM DAILY, 0.592 ON OCT 23
MAXIMUM INSTANTANEOUS,
33.8E ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 36 N
LONG 114 25 28 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 130
FEB	---	AUG	5 130
MAR	---	SEP	2 630
APR	---	OCT	1 740
MAY	17 900	NOV	---
JUN	11 700	DEC	---

TOTAL DISCHARGE, 47 200 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

TROUT CREEK NEAR GRANUM - STATION NO. 05AB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.070B	0.207	0.053	3.39	1.91	1.27	0.422	0.253	---	---	1
2	---	---	0.048B	0.188	0.052	3.26	1.95	1.28	0.413	0.244	---	---	2
3	---	---	0.042B	0.163	0.050	2.96	1.62	1.45	0.403	0.245	---	---	3
4	---	---	0.041B	0.147	0.052	2.75	1.45	1.41	0.412	0.242	---	---	4
5	---	---	0.040B	0.136	0.117	2.57	1.34	1.46	0.403	0.248	---	---	5
6	---	---	0.043B	0.128	0.300	2.50	1.27	1.32	0.397	0.247	---	---	6
7	---	---	0.048B	0.110	0.298	2.35	1.21	1.23	0.372	0.248	---	---	7
8	---	---	0.054B	0.106	0.453	2.25	1.10	1.30	0.346	0.235	---	---	8
9	---	---	0.058B	0.102	0.555	2.19	1.04	1.20	0.314	0.223	---	---	9
10	---	---	0.069B	0.098	0.391	2.13	1.03	1.07	0.303	0.225	---	---	10
11	---	---	0.078B	0.102	0.318	1.94	1.05	0.998	0.288	0.228	---	---	11
12	---	---	0.080B	0.105	0.280	1.84	0.971	0.929	0.275	0.251	---	---	12
13	---	---	0.120B	0.104	0.241	2.85	1.01	0.983	0.276	0.264	---	---	13
14	---	---	0.126B	0.103	0.251	7.26	1.71	0.955	0.277	0.268	---	---	14
15	---	---	0.134B	0.103	0.592	5.51	1.19	0.921	0.285	0.318	---	---	15
16	---	---	0.138B	0.102	2.80	4.95	1.19	0.815	0.263	0.262	---	---	16
17	---	---	0.140B	0.097	2.18	4.55	1.07	0.804	0.248	0.251	---	---	17
18	---	---	0.121B	0.092	2.65	4.27	0.949	0.754	0.237	0.238	---	---	18
19	---	---	0.106B	0.086	3.15	3.85	0.912	0.699	0.225	0.243	---	---	19
20	---	---	0.104B	0.081	4.84	3.53	0.893	0.657	0.238	0.256	---	---	20
21	---	---	0.140B	0.082	6.30	3.25	0.986	0.622	0.248	0.253	---	---	21
22	---	---	0.186B	0.092	6.89	3.08	1.46	0.606	0.256	0.293	---	---	22
23	---	0.217B	0.171	0.083	7.35	2.97	1.77	0.581	0.247	0.257	---	---	23
24	---	0.200B	0.154	0.086	7.85	2.78	1.66	0.540	0.234	0.272	---	---	24
25	---	0.166B	0.165	0.069	7.23	2.53	2.24	0.514	0.239	0.240A	---	---	25
26	---	0.156B	0.210	0.074	5.76	2.37	1.76	0.485	0.254	0.239E	---	---	26
27	---	0.120B	0.302	0.069	5.08	2.42	1.33	0.449	0.262	0.238E	---	---	27
28	---	0.104B	0.296	0.063	4.57	2.50	1.21	0.425	0.268	0.237E	---	---	28
29	---		0.220	0.062	4.17	2.11	1.32	0.412	0.256	0.236E	---	---	29
30	---		0.227	0.058	3.83	1.93	1.33	0.415	0.247	0.235E	---	---	30
31	---		0.230		3.57		1.29	0.431		0.234E		---	31
TOTAL	---	---	3.961	3.098	82.223	92.84	41.221	26.985	8.908	7.723	---	---	TOTAL
MEAN	---	---	0.128	0.103	2.65	3.09	1.33	0.870	0.297	0.249	---	---	MEAN
MAX	---	---	0.302	0.207	7.85	7.26	2.24	1.46	0.422	0.318	---	---	MAX
MIN	---	---	0.040	0.058	0.050	1.84	0.893	0.412	0.225	0.223	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.09
MAXIMUM DAILY, 7.85 ON MAY 24
MINIMUM DAILY, 0.040B ON MAR 5
MAXIMUM INSTANTANEOUS,
10.4 AT 21:50 MST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 35 N
LONG 113 41 07 W
DRAINAGE AREA, 440 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 560
FEB	---	AUG	2 330
MAR	342	SEP	770
APR	268	OCT	667
MAY	7 100	NOV	---
JUN	8 020	DEC	---

TOTAL DISCHARGE, 23 100 dam³

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO. 05BM009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.076	0.177	0.139	1.74	0.020	0.026	0.371	---	1
2	---	---	---	---	0.087	0.088	0.046	1.73	0.018	0.402	0.367	---	2
3	---	---	---	---	0.071	0.071	0.027	1.72	0.018	1.03	0.366	---	3
4	---	---	---	---	0.067	0.067	0.021	1.72	0.018	1.15	0.357A	---	4
5	---	---	---	---	0.059	0.061	0.026	1.18	0.019	1.38	---	---	5
6	---	---	---	---	0.172	0.056	0.025	0.143	0.016	0.940	---	---	6
7	---	---	---	---	0.533	0.097	0.080	0.090	0.016	0.258	---	---	7
8	---	---	---	---	0.997	0.119	0.054	0.067	0.014	0.535	---	---	8
9	---	---	---	---	0.881	0.067	0.343	0.063	0.013	0.469	---	---	9
10	---	---	---	---	0.831	0.074	0.783	0.091	0.017	0.465	---	---	10
11	---	---	---	---	0.593	0.085	0.770	0.052	0.022	0.457	---	---	11
12	---	---	---	---	0.195	0.704	0.749	0.046	0.026	0.468	---	---	12
13	---	---	---	---	0.176	0.781	0.680	0.050	0.035	0.462	---	---	13
14	---	---	---	---	0.160	0.061	0.794	0.053	0.021	0.466	---	---	14
15	---	---	---	---	0.413	0.049	0.827	0.041	0.011	0.454	---	---	15
16	---	---	---	---	1.28	0.030	1.25	0.047	0.024	0.434	---	---	16
17	---	---	---	---	1.19	0.014	2.31	0.040	0.024	0.410	---	---	17
18	---	---	---	---	1.15	0.049	2.52	0.038	0.030	0.415	---	---	18
19	---	---	---	---	1.12	0.037	2.01	0.043	0.031	0.407	---	---	19
20	---	---	---	---	1.13	0.036	0.217	0.040	0.045	0.393	---	---	20
21	---	---	---	---	1.11	0.039	0.135	0.044	0.036	0.339	---	---	21
22	---	---	---	---	1.09	0.022	0.909	0.039	0.051	0.330	---	---	22
23	---	---	---	---	1.08	0.008	1.76	0.041	0.037	0.323	---	---	23
24	---	---	---	---	1.08	0.012	1.84	0.030	0.029	0.334	---	---	24
25	---	---	---	---	1.05	0.007	1.78	0.015	0.029	0.336	---	---	25
26	---	---	---	---	0.979	0.006	1.75	0.022	0.031	0.350	---	---	26
27	---	---	---	0.082A	0.108	0.055	1.75	0.016	0.026	0.387	---	---	27
28	---	---	---	0.079	0.068	0.028	1.79	0.023	0.030	0.381	---	---	28
29	---		---	0.077	0.063	0.023	2.14	0.021	0.025	0.373	---	---	29
30	---		---	0.078	0.063	0.025	1.97	0.019	0.024	0.368	---	---	30
31	---		---		0.338		1.82	0.018		0.371		---	31
TOTAL	---	---	---	---	18.210	2.948	31.315	9.282	0.756	14.913	---	---	TOTAL
MEAN	---	---	---	---	0.587	0.098	1.01	0.299	0.025	0.481	---	---	MEAN
MAX	---	---	---	---	1.28	0.781	2.52	1.74	0.051	1.38	---	---	MAX
MIN	---	---	---	---	0.059	0.006	0.021	0.015	0.011	0.026	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.421
MAXIMUM DAILY, 2.52 ON JUL 18
MINIMUM DAILY, 0.006 ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 50 26 N
LONG 113 34 26 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 710
FEB	---	AUG	802
MAR	---	SEP	65.3
APR	---	OCT	1 290
MAY	1 570	NOV	---
JUN	255	DEC	---

TOTAL DISCHARGE, 6 690 dam³

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0	2.28	4.00	5.53	2.48	3.26	1.25	---	1
2	---	---	---	---	0	2.26	3.98	5.46	2.58	3.89	1.22	---	2
3	---	---	---	---	0	2.52	4.31	5.44	2.64	3.91	1.17	---	3
4	---	---	---	---	0.003	2.55	4.32	5.53	2.61	3.85	1.15A	---	4
5	---	---	---	---	0.003	2.61	4.29	5.50	2.61	3.72	---	---	5
6	---	---	---	---	0.004	2.41	4.06	5.40	2.59	3.57	---	---	6
7	---	---	---	---	0.004	3.12	3.33	5.30	2.52	3.74	---	---	7
8	---	---	---	---	0.031	3.19	3.33	5.12	2.45	3.60	---	---	8
9	---	---	---	---	0.001	3.36	4.16	4.91	2.37	3.58	---	---	9
10	---	---	---	---	0.055	3.50	4.05	4.68	2.29	3.53	---	---	10
11	---	---	---	---	0.152	3.56	3.77	4.41	2.23	3.62	---	---	11
12	---	---	---	---	0.202	3.91	3.61	4.30	2.24	3.57	---	---	12
13	---	---	---	---	0.162	4.73	3.75	4.38	2.26	3.52	---	---	13
14	---	---	---	---	0.351	4.87	3.59	4.09	2.26	3.65	---	---	14
15	---	---	---	---	0.881	5.10	4.28	3.94	2.25	3.84	---	---	15
16	---	---	---	---	0.975	5.21	4.77	3.77	2.19	4.15	---	---	16
17	---	---	---	---	1.37	5.46	5.10	3.75	2.28	4.16	---	---	17
18	---	---	---	---	1.69	5.08A	5.32	3.73	2.34	3.99	---	---	18
19	---	---	---	---	2.06	4.80E	5.54	3.64	2.30	3.71	---	---	19
20	---	---	---	---	1.94	4.66E	5.74	3.49	2.47	3.14	---	---	20
21	---	---	---	---	1.82	4.53E	5.98	3.49	2.49	2.73	---	---	21
22	---	---	---	---	1.39	4.33E	6.05	3.51	2.54	2.49	---	---	22
23	---	---	---	---	1.19	3.87E	6.00	3.41	2.65	2.30	---	---	23
24	---	---	---	---	1.25	3.34E	5.83	3.28	2.72	2.14	---	---	24
25	---	---	---	---	1.25	2.87E	5.54	3.20	2.90	1.84	---	---	25
26	---	---	---	---	1.26	2.85E	5.14	3.11	2.93	1.79	---	---	26
27	---	---	---	---	1.31	2.87E	5.29	3.01	3.00	1.61	---	---	27
28	---	---	---	0	1.44	2.86E	5.32	2.94	2.91	1.52	---	---	28
29	---		---	0	1.54	2.84A	5.56	2.84	3.31	1.47	---	---	29
30	---		---	0	1.66	3.32	5.52	2.78	3.47	1.39	---	---	30
31	---		---		1.61		5.64	2.67		1.06		---	31
TOTAL	---	---	---	---	25.604	108.86	147.17	126.61	76.88	94.34	---	---	TOTAL
MEAN	---	---	---	---	0.826	3.63	4.75	4.08	2.56	3.04	---	---	MEAN
MAX	---	---	---	---	2.06	5.46	6.05	5.53	3.47	4.16	---	---	MAX
MIN	---	---	---	---	0	2.26	3.33	2.67	2.19	1.06	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.15
MAXIMUM DAILY, 6.05 ON JUL 22
MINIMUM DAILY, 0 ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 00 N
LONG 111 40 00 W
DRAINAGE AREA, 785 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12 700
FEB	---	AUG	10 900
MAR	---	SEP	6 640
APR	---	OCT	8 150
MAY	2 210	NOV	---
JUN	9 410	DEC	---

TOTAL DISCHARGE, 50 000 dam³

TWIN CREEK NEAR SEEBE - STATION NO. 05BF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.010	0.006	0.005	0.006	0.027	0.336	0.204	0.138	0.031	0.016	0.011	0.006	1
2	0.010	0.006	0.005	0.006	0.030	0.365	0.198	0.128	0.030	0.016	0.011	0.006	2
3	0.009	0.006	0.005	0.006	0.025	0.394	0.213	0.119	0.029	0.015	0.011	0.006	3
4	0.009	0.006	0.005	0.006	0.021	0.352	0.207	0.109	0.028	0.014	0.010	0.006	4
5	0.009	0.006	0.005	0.006	0.018	0.312	0.192	0.098	0.027	0.014	0.009	0.006	5
6	0.009	0.006	0.005	0.005	0.018	0.306	0.176	0.089	0.026	0.014	0.009	0.006	6
7	0.009	0.006	0.005	0.005	0.017	0.283	0.159	0.084	0.025	0.014	0.009	0.006	7
8	0.009	0.006	0.005	0.005	0.017	0.239	0.139	0.078	0.025	0.014	0.009	0.006	8
9	0.008	0.005	0.005	0.005	0.017	0.211	0.124	0.072	0.024	0.014	0.009	0.006	9
10	0.008	0.005	0.005	0.005	0.017	0.223	0.112	0.067	0.024	0.013	0.009	0.006	10
11	0.008	0.005	0.005	0.005	0.016	0.241	0.101	0.063	0.023	0.013	0.009	0.006	11
12	0.008	0.005	0.005	0.005	0.016	0.254	0.092	0.062	0.022	0.013	0.009	0.007	12
13	0.008	0.005	0.005	0.005	0.018	0.219	0.093	0.058	0.022	0.013	0.009	0.006	13
14	0.008	0.005	0.005	0.005	0.023	0.182	0.120	0.055	0.021	0.013	0.009	0.006	14
15	0.007	0.005	0.006	0.005	0.029	0.188	0.144	0.052	0.020	0.013	0.009	0.006	15
16	0.007	0.005	0.006	0.005	0.027	0.198	0.172	0.050	0.020	0.013	0.008	0.006	16
17	0.007	0.005	0.006	0.005	0.027	0.184	0.175	0.049	0.019	0.013	0.008	0.006	17
18	0.007	0.005	0.006	0.006	0.037	0.166	0.164	0.047	0.018	0.012	0.008	0.006	18
19	0.007	0.005	0.006	0.006	0.058	0.149	0.152	0.045	0.018	0.012	0.008	0.006	19
20	0.007	0.005	0.006	0.007	0.094	0.138	0.138	0.043	0.018	0.011	0.008	0.006	20
21	0.007	0.005	0.006	0.008	0.215	0.136	0.127	0.042	0.018	0.011	0.008	0.006	21
22	0.007	0.005	0.006	0.008	0.293	0.135	0.116	0.040	0.017	0.011	0.008	0.006	22
23	0.007	0.005	0.005	0.010	0.307	0.132	0.115	0.038	0.017	0.011	0.007	0.006	23
24	0.007	0.005	0.006	0.015	0.361	0.131	0.117	0.037	0.017	0.011	0.006	0.006	24
25	0.007	0.005	0.006	0.014	0.379A	0.136	0.129	0.035	0.017	0.011	0.006	0.006	25
26	0.007	0.005	0.006	0.012	0.402A	0.157	0.139	0.034	0.017	0.011	0.006	0.006	26
27	0.007	0.005	0.006	0.011	0.417	0.179	0.136	0.033	0.017	0.011	0.007	0.006	27
28	0.007	0.005	0.006	0.011	0.343	0.169	0.131	0.032	0.018	0.011	0.006	0.005	28
29	0.007		0.006	0.011	0.294	0.160	0.136	0.031	0.017	0.012	0.006	0.004	29
30	0.006		0.006	0.016	0.319	0.177	0.140	0.032	0.017	0.011	0.006	0.004A	30
31	0.006		0.006		0.346		0.144	0.031		0.011		0.004E	31
TOTAL	0.239	0.148	0.171	0.225	4.228	6.452	4.505	1.891	0.642	0.392	0.248	0.180	TOTAL
MEAN	0.008	0.005	0.006	0.008	0.136	0.215	0.145	0.061	0.021	0.013	0.008	0.006	MEAN
MAX	0.010	0.006	0.006	0.016	0.417	0.394	0.213	0.138	0.031	0.016	0.011	0.007	MAX
MIN	0.006	0.005	0.005	0.005	0.016	0.131	0.092	0.031	0.017	0.011	0.006	0.004	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.053
MAXIMUM DAILY, 0.417 ON MAY 27
MINIMUM DAILY, 0.004 ON DEC 29
MAXIMUM INSTANTANEOUS,
0.474 AT 00:00 MST ON MAY 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 33 N
LONG 115 10 19 W
DRAINAGE AREA, 2.64 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20.6	JUL	389
FEB	12.8	AUG	163
MAR	14.8	SEP	55.5
APR	19.4	OCT	33.9
MAY	365	NOV	21.4
JUN	557	DEC	15.6

TOTAL DISCHARGE, 1 670 dam³

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	0	0	0.590	0.754	1.73	1.19	0E	---	1
2	---	---	---	0	0	0	0.593	0.834	2.07	1.23	0E	---	2
3	---	---	---	0	0	0.239	0.584	0.712	1.97	1.24	0E	---	3
4	---	---	---	0	0.851	0.639	0.891	1.00	1.79	1.19	0E	---	4
5	---	---	---	0	0.868	0.521	0.894	1.14	1.66	1.16	0E	---	5
6	---	---	---	0	0.735	0.435	0.592	1.48	1.50	1.13	0E	---	6
7	---	---	---	0	0.406	0.437	0.590	1.76	1.37	1.10	0E	---	7
8	---	---	---	0	0.105	0.603	0.587	1.78	1.27	1.01	0E	---	8
9	---	---	---	0	0.096	0.718	1.01	1.58	1.22	1.04	0E	---	9
10	---	---	---	0	0.094	0.710	1.82	2.04	1.26	0.837	0E	---	10
11	---	---	---	0	0.092	0.703	2.11	3.08	1.28	0.018	0E	---	11
12	---	---	---	0	0.090	0.702	2.10	3.07	1.29	0	0E	---	12
13	---	---	---	0	0.318	0.393	2.28	3.05	1.24	0	0E	---	13
14	---	---	---	0	0.438	0.098	2.54	3.05	1.21	0	0E	---	14
15	---	---	---	0	0.330	0.086	2.50	3.05	1.68	0	0E	---	15
16	---	---	---	0	0.057	0.080	2.48	3.00	1.97	0	0E	---	16
17	---	---	---	0	0	0.074	2.28	2.24	1.92	0	0E	---	17
18	---	---	---	0	0	0.074	2.03	1.75	1.91	0	0E	---	18
19	---	---	---	0	0	0.072	2.07	1.88	1.93	0	0E	---	19
20	---	---	---	0	0	0.069	1.74	2.07	2.06	0	0E	---	20
21	---	---	---	0	0	0.066	1.50	2.06	1.89	0	0E	---	21
22	---	---	---	0	0	0.066	1.48	2.03	1.85	0	0E	---	22
23	---	---	---	0	0	0.201	1.37	1.99	1.62	0	0E	---	23
24	---	---	---	0	0	0.460	0.987	1.95	1.46	0	0E	---	24
25	---	---	0A	0	0	0.458	0.769	1.97	1.34	0	0E	---	25
26	---	---	0	0	0	0.443	0.767	2.07	1.28	0	0E	---	26
27	---	---	0	0	0	0.386	0.755	2.19	1.33	0	0E	---	27
28	---	---	0	0	0	0.332	0.745	2.24	1.27	0	0E	---	28
29	---		0	0	0	0.327	0.741	2.09	1.28	0 A	0E	---	29
30	---		0	0	0	0.446	0.740	1.97	1.22	0 E	0E	---	30
31	---		0		0		0.735	1.87		0 E		---	31
TOTAL	---	---	---	0	4.480	9.838	40.870	61.750	46.87	11.145	0	---	TOTAL
MEAN	---	---	---	0	0.145	0.328	1.32	1.99	1.56	0.360	0	---	MEAN
MAX	---	---	---	0	0.868	0.718	2.54	3.08	2.07	1.24	0	---	MAX
MIN	---	---	---	0	0	0	0.584	0.712	1.21	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.717
MAXIMUM DAILY, 3.08 ON AUG 11
MINIMUM DAILY, 0 ON APR 1

SUMMARY FOR THE MONTHS APR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 04 N
LONG 113 37 56 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 530
FEB	---	AUG	5 340
MAR	---	SEP	4 050
APR	0	OCT	963
MAY	387	NOV	0
JUN	850	DEC	---

TOTAL DISCHARGE, 15 100 dam³

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.050B	0.059B	0.062B	0.106B	2.24 E	0.130	0.139	0.082	0.076	0.203	---	---	1
2	0.051B	0.058B	0.062B	0.108B	2.11 E	0.116	0.114	0.069	0.087	0.210	---	---	2
3	0.053B	0.058B	0.063B	0.107B	1.99 E	0.115	0.095	0.084	0.078	0.207	---	---	3
4	0.054B	0.057B	0.064B	0.105B	1.89 E	0.125	0.090	0.070	0.079	0.202	---	---	4
5	0.055B	0.057B	0.064B	0.103B	1.78 E	0.131	0.071	0.071	0.078	0.200	---	---	5
6	0.056B	0.056B	0.065B	0.102B	1.60 E	0.135	0.068	0.076	0.082	0.206	---	---	6
7	0.057B	0.056B	0.066B	0.100B	1.44 E	0.217	0.083	0.072	0.088	0.210	---	---	7
8	0.059B	0.055B	0.067B	0.099B	1.31 E	0.379	0.136	0.081	0.091	0.221	---	---	8
9	0.060B	0.054B	0.068B	0.097B	1.22 E	0.519	0.111	0.082	0.094	0.255	---	---	9
10	0.061B	0.054B	0.069B	0.095B	1.13 E	0.744	0.146	0.087	0.109	0.302	---	---	10
11	0.063B	0.054B	0.070B	0.094B	1.02 E	0.583	0.191	0.069	0.127	0.271	---	---	11
12	0.064B	0.054B	0.072B	0.093B	0.910E	0.468	0.166	0.069	0.145	0.255	---	---	12
13	0.065B	0.055B	0.073B	0.093B	0.835E	0.367	0.160	0.061	0.154	0.246	---	---	13
14	0.066B	0.055B	0.075B	0.093B	0.730E	0.215	0.160	0.056	0.153	0.242	---	---	14
15	0.068B	0.056B	0.080B	0.095B	0.700E	0.155	0.131	0.059	0.161	0.204	---	---	15
16	0.069B	0.056B	0.087B	0.098B	0.670E	0.140	0.112	0.060	0.164	0.206	---	---	16
17	0.070B	0.056B	0.092B	0.102B	0.650E	0.121	0.092	0.062	0.169	0.211	---	---	17
18	0.071B	0.057B	0.100B	0.118B	0.650E	0.111	0.079	0.066	0.181	0.210	---	---	18
19	0.072B	0.058B	0.102B	0.132P	0.670E	0.121	0.064	0.058	0.178	0.207	---	---	19
20	0.073B	0.058B	0.102B	0.155B	0.720E	0.106	0.065	0.059	0.182	0.189	---	---	20
21	0.072B	0.058B	0.100B	0.178B	0.820E	0.097	0.168	0.066	0.195	0.195	---	---	21
22	0.071B	0.058B	0.099B	0.213B	1.04 E	0.109	0.194	0.056	0.198	0.186	---	---	22
23	0.070B	0.059B	0.097B	0.255B	1.05 E	0.116	0.159	0.055	0.195	0.170B	---	---	23
24	0.069B	0.059B	0.095B	0.308B	0.740E	0.104	0.215	0.066	0.197	0.150B	---	---	24
25	0.069B	0.060B	0.098B	0.380B	0.480E	0.112	0.195	0.072	0.196	0.130B	---	---	25
26	0.067B	0.060B	0.101B	0.500B	0.282A	0.127	0.177	0.069	0.195	0.110B	---	---	26
27	0.065B	0.061B	0.104B	0.660B	0.223	0.135	0.166	0.067	0.195	0.098B	---	---	27
28	0.064B	0.061B	0.104B	0.900B	0.187	0.167	0.157	0.068	0.196	0.085B	---	---	28
29	0.062B		0.103B	1.35 E	0.169	0.213	0.133	0.073	0.197	0.086B	---	---	29
30	0.061B		0.102B	1.92 E	0.148	0.178	0.108	0.081	0.192	0.088B	---	---	30
31	0.060B		0.104B		0.143		0.095	0.072		0.090B		---	31
TOTAL	1.967	1.599	2.610	8.759	29.547	6.356	4.040	2.138	4.432	5.845	---	---	TOTAL
MEAN	0.063	0.057	0.084	0.292	0.953	0.212	0.130	0.069	0.148	0.189	---	---	MEAN
MAX	0.073	0.061	0.104	1.92	2.24	0.744	0.215	0.087	0.198	0.302	---	---	MAX
MIN	0.050	0.054	0.062	0.093	0.143	0.097	0.064	0.055	0.076	0.085	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2.24E ON MAY 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 31 N
LONG 111 31 11 W
DRAINAGE AREA, 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	170	JUL	349
FEB	138	AUG	185
MAR	226	SEP	383
APR	757	OCT	505
MAY	2 550	NOV	---
JUN	549	DEC	---

UPPER KANANASKIS LAKE - STATION NO. 05BF005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1690.15	1688.74	1688.53	1688.65	1688.90	1691.58	1695.08	1700.11	1701.09	1700.81	1699.14	1695.15	1
2	1690.02	1688.71	1688.53	1688.65	1688.93	1691.73	1695.24	1700.24	1701.09	1700.75	1699.02	1695.05	2
3	1689.90	1688.68	1688.53	1688.68	1688.96	1691.91	1695.42	1700.36	1701.09	1700.72	1698.89	1694.93	3
4	1689.81	1688.65	1688.53	1688.65	1688.99	1692.10	1695.66	1700.48	1701.06	1700.66	1698.77	1694.81	4
5	1689.72	1688.62	1688.56	1688.68	1689.02	1692.22	1695.91	1700.54	1701.06	1700.66	1698.65	1694.72	5
6	1689.66	1688.59	1688.56	1688.68	1689.08	1692.37	1696.09	1700.63	1701.06	1700.60	1698.53	1694.63	6
7	1689.63	1688.56	1688.56	1688.68	1689.11	1692.49	1696.30	1700.66	1701.06	1700.51	1698.38	1694.51	7
8	1689.57	1688.53	1688.56	1688.68	1689.14	1692.62	1696.49	1700.69	1701.09	1700.51	1698.25	1694.41	8
9	1689.54	1688.53	1688.56	1688.68	1689.14	1692.74	1696.67	1700.72	1701.09	1700.42	1698.13	1694.35	9
10	1689.51	1688.47	1688.56	1688.71	1689.17	1692.83	1696.82	1700.75	1701.09	1700.39	1698.01	1694.26	10
11	1689.48	1688.44	1688.59	1688.71	1689.17	1692.92	1696.91	1700.78	1701.09	1700.36	1697.89	1694.20	11
12	1689.45	1688.44	1688.59	1688.71	1689.20	1693.04	1697.03	1700.81	1701.06	1700.33	1697.74	1694.11	12
13	1689.41	1688.44	1688.59	1688.71	1689.23	1693.19	1697.22	1700.88	1701.15	1700.30	1697.61	1694.05	13
14	1689.38	1688.44	1688.59	1688.71	1689.26	1693.29	1697.37	1700.91	1701.21	1700.33	1697.46	1693.96	14
15	1689.32	1688.44	1688.59	1688.71	1689.29	1693.41	1697.49	1700.94	1701.27	1700.33	1697.31	1693.83	15
16	1689.26	1688.47	1688.59	1688.71	1689.32	1693.53	1697.64	1700.94	1701.33	1700.36	1697.19	1693.77	16
17	1689.20	1688.47	1688.59	1688.71	1689.35	1693.62	1697.77	1700.94	1701.39	1700.36	1697.03	1693.68	17
18	1689.14	1688.47	1688.59	1688.74	1689.38	1693.74	1697.92	1700.94	1701.42	1700.39	1696.88	1693.56	18
19	1689.08	1688.50	1688.62	1688.74	1689.45	1693.83	1698.10	1700.91	1701.42	1700.33	1696.73	1693.50	19
20	1689.05	1688.50	1688.62	1688.74	1689.51	1693.90	1698.25	1700.91	1701.36	1700.24	1696.58	1693.41	20
21	1689.02	1688.50	1688.62	1688.74	1689.60	1693.99	1698.41	1700.84	1701.30	1700.17	1696.49	1693.32	21
22	1688.99	1688.50	1688.62	1688.74	1689.69	1694.08	1698.56	1700.75	1701.27	1700.08	1696.36	1693.22	22
23	1688.99	1688.50	1688.62	1688.77	1689.84	1694.17	1698.74	1700.72	1701.27	1699.99	1696.24	1693.13	23
24	1688.96	1688.50	1688.62	1688.77	1690.02	1694.23	1698.89	1700.72	1701.24	1699.90	1696.09	1693.01	24
25	1688.93	1688.53	1688.62	1688.81	1690.24	1694.32	1699.05	1700.78	1701.24	1699.84	1695.94	1692.92	25
26	1688.90	1688.50	1688.65	1688.81	1690.48	1694.41	1699.20	1700.81	1701.18	1699.78	1695.82	1692.80	26
27	1688.87	1688.53	1688.65	1688.81	1690.70	1694.57	1699.35	1700.88	1701.12	1699.69	1695.66	1692.71	27
28	1688.84	1688.53	1688.65	1688.84	1690.88	1694.66	1699.50	1700.91	1701.06	1699.60	1695.58	1692.58	28
29	1688.84		1688.65	1688.84	1691.06	1694.78	1699.69	1700.97	1701.00	1699.50	1695.39	1692.49	29
30	1688.81		1688.65	1688.84	1691.21	1694.90	1699.84	1701.03	1700.91	1699.38	1695.27	1692.37	30
31	1688.77		1688.65		1691.43		1699.99	1701.06		1699.29		1692.22	31
MEAN	1689.30	1688.53	1688.59	1688.73	1689.64	1693.37	1697.63	1700.76	1701.17	1700.21	1697.23	1693.73	MEAN
MAX	1690.15	1688.74	1688.65	1688.84	1691.43	1694.90	1699.99	1701.06	1701.42	1700.81	1699.14	1695.15	MAX
MIN	1688.77	1688.44	1688.53	1688.65	1688.90	1691.58	1695.08	1700.11	1700.91	1699.29	1695.27	1692.22	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1694.11
MAXIMUM DAILY, 1701.42 ON SEP 18
MINIMUM DAILY, 1688.44 ON FEB 11
MAXIMUM INSTANTANEOUS,
1701.42 ON SEP 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 00 N
LONG 115 07 00 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

UTIKUMA LAKE NEAR NIPISI - STATION NO. 07JA001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	30.040	29.979E	29.923E	29.779E	29.728E	---	---	1
2	---	---	---	---	---	30.057E	29.972E	29.918E	29.772	29.722E	---	---	2
3	---	---	---	---	---	30.074E	29.965	29.914E	29.769E	29.716E	---	---	3
4	---	---	---	---	---	30.091E	29.965E	29.909E	29.766E	29.711E	---	---	4
5	---	---	---	---	---	30.108E	29.965E	29.905	29.763E	29.705	---	---	5
6	---	---	---	---	30.048	30.125E	29.965	29.905E	29.759E	29.705E	---	---	6
7	---	---	---	---	---	30.142E	29.965E	29.905	29.756E	29.706E	---	---	7
8	---	---	---	---	---	30.159	29.965E	29.897E	29.753	29.706	---	---	8
9	---	---	---	---	---	30.148E	29.964E	29.888E	29.753E	29.713E	---	---	9
10	---	---	---	---	---	30.137E	29.964	29.880E	29.753E	29.719E	---	---	10
11	---	---	---	---	---	30.125E	29.964E	29.871	29.753	29.726E	---	---	11
12	---	---	---	---	---	30.113E	29.964E	29.874E	29.750E	29.733E	---	---	12
13	---	---	---	---	---	30.102E	29.964E	29.876E	29.747E	29.739E	---	---	13
14	---	---	---	---	---	30.091E	29.964	29.879	29.744E	29.746	---	---	14
15	---	---	---	---	---	30.079E	29.963E	29.869E	29.742E	29.749E	---	---	15
16	---	---	---	---	---	30.068	29.963E	29.859	29.739E	29.753E	---	---	16
17	---	---	---	---	---	30.059E	29.963	29.855E	25.737E	29.756E	---	---	17
18	---	---	---	---	---	30.050E	29.958E	29.851E	29.734	29.760E	---	---	18
19	---	---	---	---	---	30.042	29.953E	29.846E	29.736E	29.763E	---	---	19
20	---	---	---	---	---	30.042E	29.948E	29.842E	29.738E	29.767E	---	---	20
21	---	---	---	---	---	30.042E	29.943	29.838	29.740E	29.770E	---	---	21
22	---	---	---	---	---	30.042	29.939E	29.834E	29.742E	29.774E	---	---	22
23	---	---	---	---	---	30.042E	29.935E	29.831E	29.744	29.777	---	---	23
24	---	---	---	---	---	30.042E	29.932	29.827	29.744E	29.768E	---	---	24
25	---	---	---	---	---	30.041E	29.932E	29.822E	29.744E	29.759E	---	---	25
26	---	---	---	---	---	30.041	29.932E	29.817E	29.744	29.751E	---	---	26
27	---	---	---	---	---	30.027E	29.932	29.812E	29.742E	29.742E	---	---	27
28	---	---	---	---	---	30.014E	29.932E	29.807	29.741E	29.733E	---	---	28
29	---		---	30.032	---	30.000E	29.931E	29.800E	29.739	29.724	---	---	29
30	---		---	---	---	29.986	29.931	29.793E	29.733E	29.724E	---	---	30
31	---		---		---		29.927E	29.786E		29.724E		---	31
MEAN	---	---	---	---	---	30.071	29.953	29.859	29.749	29.738	---	---	MEAN
MAX	---	---	---	---	---	30.159	29.979	29.923	29.779	29.777	---	---	MAX
MIN	---	---	---	---	---	29.986	29.927	29.786	29.733	29.705	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 52 00 N
LONG 115 15 00 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE915

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.12	0.020	0	0	0	0	0	---	---	1
2	---	---	---	0.939	0.016	0	0	0	0	0	---	---	2
3	---	---	---	0.978	0.012	0	0	0	0	0	---	---	3
4	---	---	---	1.37	0.009	0	0	0	0	0	---	---	4
5	---	---	---	1.33	0.005	0	0	0	0	0	---	---	5
6	---	---	---	0.995	0.002	0	0	0	0	0	---	---	6
7	---	---	---	0.631	0	0	0	0	0	0	---	---	7
8	---	---	---	0.401	0	0	0	0	0	0	---	---	8
9	---	---	---	0.321	0	0	0	0	0	0	---	---	9
10	---	---	---	0.319	0	0	0	0	0	0	---	---	10
11	---	---	---	0.223	0	0	0	0	0	0	---	---	11
12	---	---	---	0.174	0	0	0	0	0	0	---	---	12
13	---	---	---	0.153	0	0	0	0	0	0	---	---	13
14	---	---	---	0.093	0	0	0	0	0	0	---	---	14
15	---	---	---	0.080	0	0	0	0	0	0	---	---	15
16	---	---	0.425B	0.062	0	0	0	0	0	0	---	---	16
17	---	---	0.648B	0.048	0	0	0	0	0	0	---	---	17
18	---	---	0.396A	0.043	0.001	0	0	0	0	0	---	---	18
19	---	---	0.384A	0.045	0	0	0	0	0	0	---	---	19
20	---	---	0.300E	0.044	0	0	0	0	0	0	---	---	20
21	---	---	0.224E	0.043	0	0	0	0	0	0	---	---	21
22	---	---	0.168E	0.042	0	0	0	0	0	0	---	---	22
23	---	---	0.119A	0.047	0	0	0	0	0	0A	---	---	23
24	---	---	0.121E	0.068	0	0	0	0	0	0E	---	---	24
25	---	---	0.133A	0.158	0	0	0	0	0	0E	---	---	25
26	---	---	0.361	0.090	0	0	0	0	0	0E	---	---	26
27	---	---	0.467	0.048	0	0	0	0	0	0E	---	---	27
28	---	---	0.556	0.032	0	0	0	0	0	0E	---	---	28
29	---		0.510	0.028	0	0	0	0	0	0E	---	---	29
30	---		0.909	0.024	0	0	0	0	0	0E	---	---	30
31	---		0.799		0		0	0		0E		---	31
TOTAL	---	---	---	9.949	0.065	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.332	0.002	0	0	0	0	0	---	---	MEAN
MAX	---	---	---	1.37	0.020	0	0	0	0	0	---	---	MAX
MIN	---	---	---	0.024	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.37 ON APR 4
MINIMUM DAILY, 0 ON MAY 7
MAXIMUM INSTANTANEOUS,
1.44 AT 23:16 MST ON APR 4

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 10 37 N
LONG 112 04 06 W
DRAINAGE AREA, 873 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	---	SEP	0
APR	860	OCT	0
MAY	5.62	NOV	---
JUN	0	DEC	---

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE913

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.257	0	0	0	0	0	0	---	---	1
2	---	---	---	0.225	0	0	0	0	0	0	---	---	2
3	---	---	---	0.240	0	0	0	0	0	0	---	---	3
4	---	---	---	0.200	0	0	0	0	0	0	---	---	4
5	---	---	---	0.180	0	0	0	0.029	0	0	---	---	5
6	---	---	---	0.157	0	0	0	0.284	0	0	---	---	6
7	---	---	---	0.157	0	0	0	0.223	0	0	---	---	7
8	---	---	---	0.221	0	0	0	0.136	0	0	---	---	8
9	---	---	---	0.186E	0	0	0	0.070	0	0	---	---	9
10	---	---	---	0.151E	0	0	0	0.036	0	0	---	---	10
11	---	---	---	0.117E	0	0	0	0.007	0	0	---	---	11
12	---	---	0 B	0.082E	0.018	0	0	0.015	0	0	---	---	12
13	---	---	---	0.067E	0.081	0	0	0.023	0	0	---	---	13
14	---	---	---	0.012A	0.031	0	0	0.013	0	0	---	---	14
15	---	---	---	0.012E	0.014	0	0	0.002	0	0	---	---	15
16	---	---	0 B	0.011E	0.008	0	0	0	0	0	---	---	16
17	---	---	0 B	0.010E	0.007	0	0	0	0	0	---	---	17
18	---	---	0.050B	0.010E	0.006	0	0	0	0	0	---	---	18
19	---	---	0.001B	0.009E	0.007	0	0	0	0	0	---	---	19
20	---	---	---	0.008E	0.007	0	0	0	0	0	---	---	20
21	---	---	---	0.007E	0.005	0	0	0	0	0	---	---	21
22	---	---	---	0.006E	0.002	0	0.044	0	0	0	---	---	22
23	---	---	0 B	0.006A	0	0	0.149	0	0	0A	---	---	23
24	---	---	---	0.004	0	0	0.165	0	0	0E	---	---	24
25	---	---	0.062	0.055	0	0	0.146	0	0	0E	---	---	25
26	---	---	0.104B	0.035	0	0	0.086	0.004	0	0E	---	---	26
27	---	---	0.211B	0.010	0	0	0.052	0.006	0	0E	---	---	27
28	---	---	0.392	0	0	0	0.024	0.002	0	0E	---	---	28
29	---		0.331	0	0	0	0.003	0	0	0E	---	---	29
30	---		0.338	0	0	0	0.001	0	0	0E	---	---	30
31	---		0.312		0		0.002	0		0E		---	31
TOTAL	---	---	---	2.415	0.186	0	0.672	0.850	0	0	---	---	TOTAL
MEAN	---	---	---	0.081	0.006	0	0.022	0.027	0	0	---	---	MEAN
MAX	---	---	---	0.257	0.081	0	0.165	0.284	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.392 ON MAR 28
MINIMUM DAILY, 0B ON MAR 12
MAXIMUM INSTANTANEOUS,
0.582 AT 17:00 MST ON MAR 28

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 02 N
LONG 112 24 19 W
DRAINAGE AREA, 56.4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	58.1
FEB	---	AUG	73.4
MAR	---	SEP	0
APR	209	OCT	0
MAY	16.1	NOV	---
JUN	0	DEC	---

VERMILION RIVER NEAR MANNVILLE - STATION NO. 05EE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	14.1	2.46	0.375	0.389	0.035	0	0	0 E	---	1
2	---	---	0 B	16.4	1.78	0.382	0.159	0.021	0	0	0 E	---	2
3	---	---	0 B	18.5	1.94	0.226	0.088	0.020	0	0	0.001	---	3
4	---	---	0 B	17.2	1.85	0.304	0.085	0.016	0	0	---	---	4
5	---	---	0 B	15.9	1.37	0.288	0.043	0.014	0	0	---	---	5
6	---	---	0 B	15.4 E	1.10	1.24	0.016	0.013	0	0	---	---	6
7	---	---	0 B	15.0	1.08	1.18	0.009	0.016	0	0	---	---	7
8	---	---	0 B	14.6	1.07	1.14	0.001	0.018	0	0	---	---	8
9	---	---	0 B	13.7	1.06	0.883	0.003	0.017	0	0	---	---	9
10	---	---	0 B	13.6	1.17	0.836	0.001	0.016	0	0	---	---	10
11	---	---	0.019B	11.2	1.17	0.344	0.002	0.014	0	0	---	---	11
12	---	---	0.034B	10.6	1.15	0.326	0.004	0.013	0	0	---	---	12
13	---	---	0.049B	9.81	1.10	0.155	0.003	0.010	0	0	---	---	13
14	---	---	0.064B	8.84	1.06	0.076	0.005	0.007	0	0	---	---	14
15	---	---	0.078B	8.31	1.01	0.048	0.004	0.003	0	0	---	---	15
16	---	---	0.096B	7.14	0.943	0.058	0.018	0.002	0	0	---	---	16
17	---	---	0.600B	6.57	0.796E	0.061	0.017	0.002	0	0	---	---	17
18	---	---	2.00 B	5.95	0.646	0.027	0.016	0	0	0	---	---	18
19	---	---	5.58 B	5.24	0.635	0.018	0.014	0	0	0	---	---	19
20	---	---	4.99 B	4.68	0.490	0.008	0.020	0 E	0	0	---	---	20
21	---	---	5.14 B	3.55	0.482	0.010	0.018	0 E	0	0	---	---	21
22	---	---	5.30 B	4.07	0.657	0.010	0.017	0	0	0	---	---	22
23	---	---	1.40 B	3.79	0.700	0.009	0.016	0	0	0	---	---	23
24	---	---	1.07 B	3.52	0.585	0.005	0.014	0	0	0E	---	---	24
25	---	---	1.64 B	3.08	0.490	0.003	0.013	0	0	0	---	---	25
26	---	---	3.14 B	3.04	0.436	0	0.016	0	0	0	---	---	26
27	---	---	4.63 B	2.97	0.344	0	0.031	0	0	0	---	---	27
28	---	---	7.57 B	2.71	0.288	0	0.029	0	0	0	---	---	28
29	---		9.44 B	2.63	0.249	0.074	0.031	0	0	0	---	---	29
30	---		11.8 B	2.52	0.204	0.700	0.039	0	0	0	---	---	30
31	---		13.4 B		0.289E		0.037	0		0		---	31
TOTAL	---	---	78.040	264.62	28.604	8.786	1.158	0.237	0	0	---	---	TOTAL
MEAN	---	---	2.52	8.82	0.923	0.293	0.037	0.008	0	0	---	---	MEAN
MAX	---	---	13.4	18.5	2.46	1.24	0.389	0.035	0	0	---	---	MAX
MIN	---	---	0	2.52	0.204	0	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.56
MAXIMUM DAILY, 18.5 ON APR 3
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 22 30 N
LONG 111 10 30 W
DRAINAGE AREA, 5 750 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	100
FEB	---	AUG	20.5
MAR	6 740	SEP	0
APR	22 900	OCT	0
MAY	2 470	NOV	---
JUN	759	DEC	---

TOTAL DISCHARGE, 33 000 dam³

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.095B	14.9 E	3.48	0.472	0.140	0.010	0	0	0.048	---	1
2	---	---	0.095B	15.4 E	3.25	0.415	0.136	0.009	0	0	0.039	---	2
3	---	---	0.095B	15.9 A	3.12	0.338	0.134	0.067	0	0	0.033A	---	3
4	---	---	0.097B	16.1	2.99	0.254	0.109	0.129	0	0	---	---	4
5	---	---	0.096B	16.9	2.65	0.197	0.092	0.198	0	0	---	---	5
6	---	---	0.085B	18.0	2.42	0.171	0.089	0.141	0	0	---	---	6
7	---	---	0.070B	18.8	2.28	0.163	0.104	0.128	0	0	---	---	7
8	---	---	0.058B	18.8	2.16	0.126	0.103	0.109	0	0	---	---	8
9	---	---	0.049B	18.1	2.00	0.103	0.090	0.072	0	0	---	---	9
10	---	---	0.039B	16.7	1.84	0.076	0.091	0.057	0	0	---	---	10
11	---	---	0.032B	15.8	1.67	0.046	0.094	0.057	0	0	---	---	11
12	---	---	0.024B	14.9	1.57	0.027	0.096	0.063	0	0	---	---	12
13	---	---	0.017B	13.9	1.54	0.009	0.079	0.046	0	0	---	---	13
14	---	---	0.015B	13.0	1.47	0.006	0.097	0.041	0	0	---	---	14
15	---	---	0.016B	12.4	1.40	0.002	0.084	0.030	0	0	---	---	15
16	---	---	0.179B	11.4	1.38	0.214	0.069	0.029	0	0	---	---	16
17	---	---	0.267B	10.4	1.37	0.500	0.050	0.031	0	0	---	---	17
18	---	---	0.369B	9.45	1.35	0.499	0.040	0.028	0	0	---	---	18
19	---	---	0.266B	8.57	1.26	0.488	0.023	0.012	0	0.038	---	---	19
20	---	---	0.179B	7.83	1.14	0.441	0.010	0.008	0	0.056	---	---	20
21	---	---	0.123B	7.31	1.00	0.425	0.006	0.008	0	0.061	---	---	21
22	---	---	0.120B	6.79	0.840	0.428	0.010	0.007	0	0.055	---	---	22
23	---	---	0.170B	6.28	0.739	0.415	0.011	0.005	0	0.062	---	---	23
24	---	---	0.230B	5.73	0.672	0.389	0.008	0.002	0	0.077	---	---	24
25	---	---	0.620B	5.20	0.613	0.360	0.005	0	0	0.086	---	---	25
26	---	---	4.97 B	4.84	0.605	0.340	0.001	0	0	0.096	---	---	26
27	---	---	8.44 B	4.49	0.651	0.283	0	0	0	0.099	---	---	27
28	---	---	7.14 B	4.16	0.646	0.245	0	0	0	0.083	---	---	28
29	---		7.63 B	3.92	0.605	0.201	0	0	0	0.073	---	---	29
30	---		12.2 B	3.73	0.577	0.152	0.071	0	0	0.067	---	---	30
31	---		14.4 A		0.537		0.038	0		0.058		---	31
TOTAL	---	---	58.186	339.70	47.825	7.785	1.880	1.287	0	0.911	---	---	TOTAL
MEAN	---	---	1.88	11.3	1.54	0.260	0.061	0.042	0	0.029	---	---	MEAN
MAX	---	---	14.4	18.8	3.48	0.500	0.140	0.198	0	0.099	---	---	MAX
MIN	---	---	0.015	3.73	0.537	0.002	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 18.8 ON APR 7
MINIMUM DAILY, 0 ON JUL 27
MAXIMUM INSTANTANEOUS,
19.0 AT 09:30 MST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 29 28 N
LONG 110 23 51 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	162
FEB	---	AUG	111
MAR	5 030	SEP	0
APR	29 400	OCT	78.7
MAY	4 130	NOV	---
JUN	673	DEC	---

TOTAL DISCHARGE, 39 600 dam³

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.19 B	0.012	0.003	0	0	0	0	0	---	1
2	---	---	0 B	2.85	0.027	0.002	0	0	0	0	0	---	2
3	---	---	0 B	2.62	0.022	0	0	0	0	0	0	---	3
4	---	---	0 B	2.50	0.026	0	0	0	0	0	0	---	4
5	---	---	0 B	2.41	0.034	0	0	0	0	0	---	---	5
6	---	---	0 B	2.27	0.079	0	0	0	0	0	---	---	6
7	---	---	0 B	2.24	0.104	0	0	0	0	0	---	---	7
8	---	---	0 B	2.29	0.157	0	0	0	0	0	---	---	8
9	---	---	0 B	2.20	0.131	0	0	0.022	0	0	---	---	9
10	---	---	0 B	2.05	0.129	0	0	0.149	0	0	---	---	10
11	---	---	0 B	1.99	0.134	0	0	0.029	0	0	---	---	11
12	---	---	0 B	1.83	0.137	0	0	0.002	0	0	---	---	12
13	---	---	0 B	1.47	0.140	0	0	0.049	0	0	---	---	13
14	---	---	0 B	1.11	0.136	0	0	0.050	0	0	---	---	14
15	---	---	0.300B	0.717	0.145	0	0	0.008	0	0	---	---	15
16	---	---	0.900B	0.187	0.148	0	0	0.003	0	0	---	---	16
17	---	---	2.50 B	0.078	0.133	0	0	0.001	0	0	---	---	17
18	---	---	6.40 B	0.032	0.117	0	0	0	0	0	---	---	18
19	---	---	6.77 B	0.009	0.106	0	0	0	0	0	---	---	19
20	---	---	5.30 B	0.008	0.103	0	0	0	0	0	---	---	20
21	---	---	4.00 B	0.004	0.058	0	0	0	0	0	---	---	21
22	---	---	2.20 B	0.003	0.008	0	0	0	0	0	---	---	22
23	---	---	1.10 B	0.001	0.008	0	0	0.009	0	0	---	---	23
24	---	---	1.24 B	0.002	0.008	0	0	0.034	0	0	---	---	24
25	---	---	0.840B	0.003	0.009	0	0	0.001	0	0	---	---	25
26	---	---	1.60 B	0.023	0.010	0	0	0	0	0	---	---	26
27	---	---	2.47 B	0.031	0.061	0	0	0	0	0	---	---	27
28	---	---	3.28 B	0.026	0.013	0	0	0	0	0	---	---	28
29	---		3.75 B	0.008	0.002	0	0	0	0	0	---	---	29
30	---		3.73 B	0.003	0.002	0	0	0	0	0		---	30
31	---		3.56 B		0.003		0	0		0		---	31
TOTAL	---	---	49.940	32.155	2.202	0.005	0	0.357	0	0	---	---	TOTAL
MEAN	---	---	1.61	1.07	0.071	0	0	0.012	0	0	---	---	MEAN
MAX	---	---	6.77	3.19	0.157	0.003	0	0.149	0	0	---	---	MAX
MIN	---	---	0	0.001	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.346
MAXIMUM DAILY, 6.77B ON MAR 19
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 54 N
LONG 112 03 52 W
DRAINAGE AREA, 1 590 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	30.8
MAR	4 310	SEP	0
APR	2 780	OCT	0
MAY	190	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 7 310 dam³

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.281	0	0	0	0	0	0	0	---	1
2	---	---	0 B	0.143	0	0	0	0	0	0	0	---	2
3	---	---	0 B	0.081	0	0	0	0	0	0	0	---	3
4	---	---	0 B	0.051	0	0	0	0	0	0	0	---	4
5	---	---	0 B	0.030	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.023	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.026	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.024	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.022	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.020	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.018	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.018	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.017	0	0	0	0	0	0	---	---	13
14	---	---	0.007B	0.016	0	0	0	0	0	0	---	---	14
15	---	---	0.025B	0.015	0	0	0	0	0	0	---	---	15
16	---	---	0.021B	0.015	0	0	0	0	0	0	---	---	16
17	---	---	0.182B	0.014	0	0	0	0	0	0	---	---	17
18	---	---	0.285B	0.013	0	0	0	0	0	0	---	---	18
19	---	---	0.118B	0.012	0	0	0	0	0	0	---	---	19
20	---	---	0.435B	0.011	0	0	0	0	0	0	---	---	20
21	---	---	0.250B	0.010	0	0	0	0	0	0	---	---	21
22	---	---	0.120B	0.009	0	0	0	0	0	0	---	---	22
23	---	---	0.024B	0.008	0	0	0	0	0	0	---	---	23
24	---	---	0.037B	0.007	0	0	0	0	0	0	---	---	24
25	---	---	0.107	0.006	0	0	0	0	0	0	---	---	25
26	---	---	0.210B	0.004	0	0	0	0	0	0	---	---	26
27	---	---	0.388B	0.003	0	0	0	0	0	0	---	---	27
28	---	---	0.382B	0.002	0	0	0	0	0	0	---	---	28
29	---		0.377	0.001	0	0	0	0	0	0	---	---	29
30	---		0.412	0	0	0	0	0	0	0	---	---	30
31	---		0.345		0		0	0		0		---	31
TOTAL	---	---	3.725	0.900	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.120	0.030	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.435	0.281	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.019
MAXIMUM DAILY, 0.435B ON MAR 20
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 17 42 N
LONG 112 02 54 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	322	SEP	0
APR	77.8	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 400 dam³

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.057B	1.08 B	0.298	0.269	0.053	0.495	0.022	0.052	---	---	1
2	---	---	0.057B	1.11 B	0.254	0.236	0.055	0.465	0.022	0.047	---	---	2
3	---	---	0.057B	1.06 B	0.238	0.225	0.052	0.400	0.025	0.037	---	---	3
4	---	---	0.057B	0.928B	0.232	0.253	0.049	0.368	0.021	0.032	---	---	4
5	---	---	0.057B	0.945B	0.219	0.226	0.046	0.298	0.021	0.031	---	---	5
6	---	---	0.057B	0.697B	0.252	0.184	0.044	0.239	0.021	0.030	---	---	6
7	---	---	0.057B	0.831B	0.254	0.162	0.051	0.207	0.020	0.029	---	---	7
8	---	---	0.057B	0.776B	0.282	0.143	0.060	0.178	0.018	0.044	---	---	8
9	---	---	0.057B	0.681B	0.269	0.117	0.063	0.135	0.015	0.072	---	---	9
10	---	---	0.057B	0.397B	0.282	0.093	0.052	0.100	0.015	0.062	---	---	10
11	---	---	0.057B	0.357B	0.244	0.081	0.049	0.091	0.015	0.063	---	---	11
12	---	---	0.057B	0.466B	0.206	0.085	0.054	0.081	0.014	0.053	---	---	12
13	---	---	0.058B	0.553B	0.234	0.094	0.052	0.069	0.015	0.048	---	---	13
14	---	---	0.133B	0.287B	0.258	0.079	0.056	0.058	0.014	0.046	---	---	14
15	---	---	0.793B	0.280	0.235	0.065	0.153	0.051	0.012	0.043	---	---	15
16	---	---	1.01 B	0.293	0.202	0.074	0.167	0.048	0.013	0.042	---	---	16
17	---	---	1.65 B	0.265	0.200	0.082	0.239	0.042	0.012	0.041	---	---	17
18	---	---	2.02 B	0.283	0.190	0.091	0.095	0.030	0.012	0.040	---	---	18
19	---	---	1.50 B	0.304	0.185	0.086	0.065	0.030	0.013	0.040	---	---	19
20	---	---	1.20 B	0.302	0.184	0.084	0.053	0.030	0.025	0.039	---	---	20
21	---	---	0.909B	0.284	0.332	0.137	0.052	0.024	0.020	0.039	---	---	21
22	---	---	0.550B	0.263	0.244	0.209	0.133	0.022	0.023	0.039	---	---	22
23	---	---	0.190B	0.273	0.188	0.226	0.275	0.018	0.025	0.042	---	---	23
24	---	---	0.197B	0.331	0.152	0.249	0.302	0.016	0.033	0.050	---	---	24
25	---	---	0.879B	0.493	0.158	0.210	0.277	0.016	0.033	0.052	---	---	25
26	---	---	0.965B	0.640	0.139	0.153	0.252	0.017	0.031	0.052	---	---	26
27	---	---	1.73 B	0.479	0.131	0.114	0.223	0.018	0.030	0.050	---	---	27
28	---	---	1.67 B	0.403	0.171	0.091	0.207	0.018	0.032	0.051A	---	---	28
29	---		1.53 B	0.325	0.208	0.071	0.275	0.026	0.030	0.050E	---	---	29
30	---		1.49 B	0.319	0.185	0.055	0.550	0.021	0.030	0.048E	---	---	30
31	---		1.40 B		0.180		0.530	0.025		0.046E		---	31
TOTAL	---	---	20.558	15.705	6.806	4.244	4.584	3.636	0.632	1.410	---	---	TOTAL
MEAN	---	---	0.663	0.524	0.220	0.141	0.148	0.117	0.021	0.045	---	---	MEAN
MAX	---	---	2.02	1.11	0.332	0.269	0.550	0.495	0.033	0.072	---	---	MAX
MIN	---	---	0.057	0.263	0.131	0.055	0.044	0.016	0.012	0.029	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.235
MAXIMUM DAILY, 2.02B ON MAR 18
MINIMUM DAILY, 0.012 ON SEP 15
MAXIMUM INSTANTANEOUS,
3.60 AT 09:25 MST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 42 N
LONG 114 22 00 W
DRAINAGE AREA, 513 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	396
FEB	---	AUG	314
MAR	1 780	SEP	54.6
APR	1 360	OCT	122
MAY	588	NOV	---
JUN	367	DEC	---

TOTAL DISCHARGE, 4 980 dam³

WABAMUN LAKE AT WABAMUN - STATION NO. 05DE002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	723.144	---	---	723.290	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	723.129	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	723.290	---	---	723.306	---	---	---	---	4
5	723.144	---	---	---	---	---	---	---	---	723.159	---	---	5
6	---	---	---	723.275	---	---	723.223	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	723.211	---	---	723.123	7
8	---	---	---	---	---	723.290	---	---	---	---	---	---	8
9	---	723.144	723.144	---	---	---	---	---	---	---	723.126	---	9
10	---	---	---	---	---	---	---	723.290	---	---	---	---	10
11	---	---	---	---	723.290	---	---	---	---	---	---	---	11
12	723.144	---	---	---	---	---	---	---	---	723.153	---	---	12
13	---	---	---	723.290	723.300	---	723.193	723.275	---	---	---	---	13
14	---	---	---	---	---	---	---	---	723.175	---	---	723.123	14
15	---	---	---	---	---	723.278	---	---	---	---	---	---	15
16	---	723.144	723.144	---	---	---	---	---	---	---	723.126	---	16
17	---	---	---	---	---	---	---	723.275	---	---	---	723.126	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	723.144	---	---	---	723.284	---	---	---	---	723.138	---	---	19
20	---	---	---	723.290	---	---	723.229	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	723.178	---	---	723.123	21
22	---	---	---	---	---	723.266	---	---	---	---	---	---	22
23	---	723.144	723.144	---	---	---	---	---	---	---	723.132	---	23
24	---	---	---	---	---	---	---	723.245	---	---	---	---	24
25	---	---	---	---	723.269	---	---	---	---	---	---	---	25
26	723.144	---	---	---	---	---	---	---	---	723.132	---	---	26
27	---	---	---	723.290	---	---	723.275	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	723.168	---	---	723.123	28
29	---		---	---	---	723.254	---	---	---	---	---	---	29
30	---		723.272	---	---	---	---	---	---	---	723.123	---	30
31	---		---		---		---	723.223		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 33 07 N
LONG 114 29 33 W
DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

REGULATED

WATER LEVELS ARE REFERRED TO CANADIAN NATIONAL RAILWAYS DATUM
APPLY 1.506 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.7B	13.3 B	10.8B	20.0B	449	105	57.2A	31.0	8.54	5.59	9.06B	4.26B	1
2	13.7B	13.1 B	11.3B	21.1B	461	98.7	55.0A	33.4	9.17	5.61	7.64B	4.26B	2
3	13.7B	12.9 B	11.5B	22.1B	471	93.1	52.8	32.9	9.06	5.40	6.23B	4.15B	3
4	14.0B	12.9 B	11.7B	22.8B	464	87.5	49.0	31.2	9.04	5.21	6.75B	4.20B	4
5	14.5B	12.8 B	11.7B	24.2B	441	81.5	45.6	30.4	8.40	5.25	8.16B	4.05B	5
6	14.8B	12.6 B	11.5B	25.7B	418	76.5	42.7	29.0	7.78	5.29	5.56B	3.85B	6
7	15.1B	12.5 B	11.6B	27.2B	394	75.8	40.4	27.8	7.71A	5.27	6.58B	3.85B	7
8	15.6B	12.5 B	11.7B	29.1B	369	76.1	37.4	25.9	7.57E	6.20	6.03B	4.05B	8
9	15.7B	12.2 B	11.7B	32.2B	348	80.3	35.3	24.3	7.36E	10.2	7.86B	3.96B	9
10	15.7B	11.8 B	12.0B	36.7B	324	83.0	33.4	23.5	7.08A	11.5	6.79B	3.75B	10
11	15.8B	11.6 B	12.0B	37.9B	301	82.7	32.8	22.0	7.04	11.8	6.23B	3.96B	11
12	15.7B	11.7 B	12.1B	38.0B	279	79.9	32.8	20.6	6.69	11.5	4.80B	4.03B	12
13	15.9B	11.7 B	12.2B	37.4B	258	75.8	33.3	19.2	6.42	11.1	5.04B	3.96B	13
14	16.0B	11.6 B	12.2B	35.7B	240	72.2	33.2	18.0	6.20	11.1	5.28B	4.04B	14
15	15.8B	11.5 B	12.2B	36.0B	224	68.3	33.0	16.8	6.07	11.5	5.53B	4.12B	15
16	15.8B	11.1 B	12.3B	36.9B	208	64.6	34.2	16.4	6.05	13.2	5.07B	4.07B	16
17	15.7B	10.5 B	12.1B	37.3B	194	63.7	35.0	15.5	6.00	14.3	5.12B	4.05B	17
18	15.7B	9.91B	12.0B	39.7B	184	63.5	33.0	14.7	5.91	15.4	5.49B	4.09B	18
19	15.9B	9.67B	13.3B	41.5B	175	63.1	32.5	14.1	5.77	16.9	6.25B	3.95B	19
20	15.6B	9.99B	13.0B	42.0B	167	59.7	32.9	13.4	6.20	17.7	6.90B	3.73B	20
21	15.5B	9.92B	13.1B	50.1B	160	56.3	34.5	13.0	6.61	18.4	6.50B	3.69B	21
22	15.4B	9.44B	13.0B	64.2B	152	53.9	39.3	12.3	6.57	17.1 B	6.04B	3.66B	22
23	15.1B	9.64B	13.3B	99.3B	144	52.7	42.3	11.8	6.62	13.4 B	4.96B	3.62B	23
24	14.8B	10.2 B	15.1B	161 B	138A	54.0	44.4	11.5	6.44	14.0 B	4.05B	3.62B	24
25	14.5B	10.5 B	17.2B	258 B	130E	56.8	45.8	11.1	6.35	12.6 B	3.85B	3.44B	25
26	14.1B	10.6 B	16.8B	302 B	124E	61.2	43.3	10.9	6.17	8.34B	3.95B	3.29B	26
27	13.5B	10.9 B	16.6B	429 B	118E	64.4	41.1	10.5	5.95	8.23B	4.20B	3.18B	27
28	13.4B	10.9 B	16.8B	468 B	113A	64.3	39.0	9.76	5.70	13.1 B	4.68B	3.02B	28
29	13.4B		17.1B	461	112	62.5	37.8	9.10	5.74	12.2 B	4.38B	2.93B	29
30	13.7B		18.0B	443	111	60.0	35.0	8.84	5.72	9.97B	4.20B	2.84B	30
31	13.4B		18.8B		108		32.8	8.57		7.78B		2.70B	31
TOTAL	461.2	317.97	414.7	3 379.1	7 779	2 137.1	1 216.8	577.47	205.93	335.14	173.18	116.37	TOTAL
MEAN	14.9	11.4	13.4	113	251	71.2	33.3	18.6	6.86	10.8	5.77	3.75	MEAN
MAX	16.0	13.3	18.8	468	471	105	57.2	33.4	9.17	18.4	9.06	4.26	MAX
MIN	13.4	9.44	10.8	20.0	108	52.7	32.5	8.57	5.70	5.21	3.85	2.70	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 46.9
MAXIMUM DAILY, 471 ON MAY 3
MINIMUM DAILY, 2.70B ON DEC 31
MAXIMUM INSTANTANEOUS,
535 AT 16:00 MST ON APR 27

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 30 N
LONG 115 23 20 W
DRAINAGE AREA, 35 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	39 800	JUL	105 000
FEB	27 500	AUG	49 900
MAR	35 800	SEP	17 800
APR	292 000	OCT	29 000
MAY	672 000	NOV	15 000
JUN	185 000	DEC	10 100

TOTAL DISCHARGE, 1 480 000 dam³

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	6.07 B	0.032	0.010	0	0.001	0	0	0.318	---	1
2	---	---	0 B	4.67	0.026	0.007	0	0	0	0	0.316	---	2
3	---	---	0 B	3.69	0.040	0.012	0	0	0	0	0.293	---	3
4	---	---	0 B	3.21	0.050	0.010	0	0	0	0	0.200	---	4
5	---	---	0 B	2.85	0.051	0.007	0	0	0	0	0.058	---	5
6	---	---	0 B	2.50	0.052	0.006	0	0	0	0	0.018	---	6
7	---	---	0 B	2.14	0.048	0.009	0	0	0	0	0.016	---	7
8	---	---	0 B	1.79	0.048	0.011	0	0	0	0	0.011	---	8
9	---	---	0 B	1.46	0.050	0.012	0	0	0	0	0.009A	---	9
10	---	---	0 B	1.14	0.055	0.013	0	0	0	0	---	---	10
11	---	---	0 B	0.950	0.062	0.011	0	0	0	0	---	---	11
12	---	---	0 B	0.854	0.061	0.008	0	0	0	0	---	---	12
13	---	---	0 B	0.766	0.057	0.004	0	0	0	0	---	---	13
14	---	---	0.095B	0.397	0.057	0.002	0	0	0	0	---	---	14
15	---	---	0.941B	0.128	0.054	0	0	0	0	0	---	---	15
16	---	---	0.820B	0.063	0.047	0.005	0	0	0	0	---	---	16
17	---	---	0.745B	0.050	0.047	0.038	0	0	0	0	---	---	17
18	---	---	1.27 B	0.049	0.034	0.086	0	0	0	0	---	---	18
19	---	---	3.40 B	0.046	0.033	0.023	0	0	0	0	---	---	19
20	---	---	4.13 B	0.044	0.026	0.022	0	0	0	0	---	---	20
21	---	---	5.06 B	0.037	0.020	0.021	0	0	0	0.001	---	---	21
22	---	---	5.06 B	0.037	0.019	0.009	0	0	0	0.001	---	---	22
23	---	---	3.51 B	0.034	0.015	0.008	0.080	0	0	0.001	---	---	23
24	---	---	2.95 B	0.040	0.013	0.006	0.138	0	0	0.001	---	---	24
25	---	---	2.61 B	0.076	0.012	0.003	0.090	0	0	0.001	---	---	25
26	---	---	3.47 B	0.063	0.198	0.001	0.057	0	0	0.121	---	---	26
27	---	---	7.28 B	0.089	0.022	0	0.037	0	0	0.642	---	---	27
28	---	---	10.8 B	0.104	0.007	0	0.024	0	0	0.546	---	---	28
29	---		12.0 B	0.073	0.005	0	0.017	0	0	0.472	---	---	29
30	---		10.2 B	0.054	0.006	0	0.010	0	0	0.443	---	---	30
31	---		7.93 B		0.009		0.005	0		0.257		---	31
TOTAL	---	---	82.271	33.474	1.256	0.344	0.458	0.001	0	2.486	---	---	TOTAL
MEAN	---	---	2.65	1.12	0.041	0.011	0.015	0	0	0.080	---	---	MEAN
MAX	---	---	12.0	6.07	0.198	0.086	0.138	0.001	0	0.642	---	---	MAX
MIN	---	---	0	0.034	0.005	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.491
MAXIMUM DAILY, 12.0B ON MAR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
12.5 AT 06:00 MST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 27 N
LONG 113 55 26 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	39.6
FEB	---	AUG	0.09
MAR	7 110	SEP	0
APR	2 890	OCT	215
MAY	109	NOV	---
JUN	29.7	DEC	---

TOTAL DISCHARGE, 10 400 dam³

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.640B	0.166	0.010	0.003E	0	0	0	---	---	1
2	---	---	0 B	0.680B	0.146	0.006	0.003E	0	0	0	---	---	2
3	---	---	0 B	0.921B	0.139	0.003	0.002E	0	0	0	---	---	3
4	---	---	0 B	0.820E	0.130	0.002	0.002E	0	0	0	---	---	4
5	---	---	0 B	0.960E	0.128	0.002E	0.002E	0	0	0	---	---	5
6	---	---	0 B	1.07 A	0.119	0.002E	0.001E	0	0	0	---	---	6
7	---	---	0 B	1.00 E	0.120	0.002E	0.001E	0	0	0	---	---	7
8	---	---	0 B	1.07 A	0.113	0.002E	0	0	0	0	---	---	8
9	---	---	0 B	0.900E	0.110	0.002E	0	0	0	0	---	---	9
10	---	---	0 B	0.217B	0.109	0.001E	0	0	0	0	---	---	10
11	---	---	0 B	0.176B	0.104	0.001E	0	0	0	0	---	---	11
12	---	---	0 B	0.241B	0.103	0.001E	0	0	0	0	---	---	12
13	---	---	0 B	0.159B	0.100	0.001E	0	0	0	0	---	---	13
14	---	---	0 B	0.137B	0.097	0.001E	0	0	0	0	---	---	14
15	---	---	0 B	0.225B	0.094	0.001E	0	0	0	0	---	---	15
16	---	---	0 B	0.275B	0.086	0.002E	0	0	0	0	---	---	16
17	---	---	0 B	0.362B	0.084	0.025A	0	0	0	0	---	---	17
18	---	---	0 B	0.780	0.082	0.018	0	0	0	0	---	---	18
19	---	---	0 B	1.86	0.074	0.010	0	0	0	0	---	---	19
20	---	---	0 B	2.36	0.060	0.007A	0	0	0	0	---	---	20
21	---	---	0 B	0.954	0.048	0.008E	0	0	0	0	---	---	21
22	---	---	0 B	0.345	0.036	0.008E	0	0	0	0	---	---	22
23	---	---	0 B	0.204	0.058	0.007E	0	0	0	0	---	---	23
24	---	---	0 B	0.237	0.048	0.007E	0	0	0	0	---	---	24
25	---	---	0 B	0.254	0.032	0.006E	0	0	0	0	---	---	25
26	---	---	0.015B	0.240	0.012	0.006E	0	0	0	0	---	---	26
27	---	---	0.028B	0.190	0.006	0.005E	0	0	0	0	---	---	27
28	---	---	0.200B	0.197	0.003	0.005E	0	0	0	0	---	---	28
29	---		0.727B	0.175	0.002	0.004E	0	0	0	0	---	---	29
30	---		0.279B	0.165	0.001	0.004E	0	0	0	0	---	---	30
31	---		0.303B		0.015		0	0		0		---	31
TOTAL	---	---	1.552	17.814	2.425	0.159	0.014	0	0	0	---	---	TOTAL
MEAN	---	---	0.050	0.594	0.078	0.005	0	0	0	0	---	---	MEAN
MAX	---	---	0.727	2.36	0.166	0.025	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.137	0.001	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.090
MAXIMUM DAILY, 2.36 ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.93 AT 03:00 MST ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 01 37 N
LONG 117 56 08 W
DRAINAGE AREA, 149 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.21
FEB	---	AUG	0
MAR	134	SEP	0
APR	1 540	OCT	0
MAY	210	NOV	---
JUN	13.7	DEC	---

TOTAL DISCHARGE, 1 900 dam³

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.05	11.5	4.98	17.5	3.34	1.42	---	---	1
2	---	---	---	---	1.11	9.99	4.33	13.5	3.30	1.53	---	---	2
3	---	---	---	---	0.612	9.20	3.94	13.4	3.22	1.46	---	---	3
4	---	---	---	---	0.591	6.74	3.66	14.2	3.10	1.35	---	---	4
5	---	---	---	---	0.537	5.75	3.51	12.4	2.99	1.32	---	---	5
6	---	---	---	---	0.517	5.44	3.22	9.53	2.81	1.34	---	---	6
7	---	---	---	---	0.506	4.55	3.79	10.4	2.77	1.36	---	---	7
8	---	---	---	---	0.606	4.06	3.87	10.9	2.61	1.38	---	---	8
9	---	---	---	---	0.906	4.13	3.42	8.40	2.49	1.34	---	---	9
10	---	---	---	---	1.70	4.18	3.29	7.37	2.40	1.41	---	---	10
11	---	---	---	---	2.11	3.97	2.98	6.62	2.25	1.39	---	---	11
12	---	---	---	---	2.33	3.78	2.83	6.20	2.21	1.37	---	---	12
13	---	---	---	---	2.51	4.51	2.73	5.87	2.18	1.31	---	---	13
14	---	---	---	---	3.24	5.51	8.83	5.55	2.07	1.45	---	---	14
15	---	---	---	---	5.50	5.95	8.70	5.38	2.03	1.34	---	---	15
16	---	---	---	---	2.95	5.70	5.68	5.60	1.95	1.26	---	---	16
17	---	---	---	---	3.59	4.61	5.42	5.91	1.92	1.17	---	---	17
18	---	---	---	---	5.88	4.07	5.26	5.03	1.89	1.12	---	---	18
19	---	---	---	---	8.89	3.80	5.42	4.83	2.19	1.12	---	---	19
20	---	---	---	---	9.80	3.75	5.70	4.30	2.65	1.09	---	---	20
21	---	---	---	---	14.0	3.75	6.34	4.29	2.10	1.03B	---	---	21
22	---	---	---	---	17.6	3.58	9.39	4.03	2.00	1.06B	---	---	22
23	---	---	---	---	18.3	3.34	12.2	3.76	1.95	1.06	---	---	23
24	---	---	---	1.03 A	18.7	3.14	16.1	3.50	1.87	1.18	---	---	24
25	---	---	---	0.659	13.9	3.10	14.7	3.28	1.79	1.22	---	---	25
26	---	---	---	0.500	12.8	3.12	9.92	3.14	1.80	1.24	---	---	26
27	---	---	---	0.459	10.9	3.44	7.32	3.03	1.71	1.18	---	---	27
28	---	---	---	0.484	8.56	3.24	7.52	2.97	1.67	1.19	---	---	28
29	---		---	0.500	6.98	3.07	9.38	3.00	1.57	1.13A	---	---	29
30	---		---	0.503	7.22	3.02	22.1	3.42	1.50	1.10E	---	---	30
31	---		---		8.71		21.2	3.39		1.10E		---	31
TOTAL	---	---	---	---	192.605	143.99	227.73	210.70	68.33	39.02	---	---	TOTAL
MEAN	---	---	---	---	6.21	4.80	7.35	6.80	2.28	1.26	---	---	MEAN
MAX	---	---	---	---	18.7	11.5	22.1	17.5	3.34	1.53	---	---	MAX
MIN	---	---	---	---	0.506	3.02	2.73	2.97	1.50	1.03	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.80
MAXIMUM DAILY, 22.1 ON JUL 30
MINIMUM DAILY, 0.506 ON MAY 7
MAXIMUM INSTANTANEOUS,
29.6 AT 10:30 MST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 22 04 N
LONG 114 59 27 W
DRAINAGE AREA, 229 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19 700
FEB	---	AUG	18 200
MAR	---	SEP	5 900
APR	---	OCT	3 370
MAY	16 600	NOV	---
JUN	12 400	DEC	---

TOTAL DISCHARGE, 76 200 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.695B	0.600B	0.630B	0.505B	1.25 E	21.8	5.18	22.2	3.21	1.63A	1.48	0.681B	1
2	0.690B	0.640B	0.600B	0.505B	1.30 E	14.0	5.42	16.9	3.15	1.65E	1.47	0.650B	2
3	0.680B	0.680B	0.570B	0.505B	0.675E	10.4	4.75	16.0	3.13	1.63E	1.46	0.630B	3
4	0.670B	0.730B	0.550B	0.505B	0.650E	7.24	4.28	16.4	3.01	1.61E	1.42	0.600B	4
5	0.650B	0.780B	0.530B	0.505B	0.590E	6.58	3.93	13.5	2.95	1.59E	1.35 B	0.570B	5
6	0.640B	0.775B	0.510B	0.504B	0.570E	6.14	3.64	9.93	2.77	1.58	1.35 B	0.550B	6
7	0.630B	0.770B	0.490B	0.504B	0.560E	5.67	4.36	10.9	2.66	1.58	1.21 B	0.520B	7
8	0.620B	0.765B	0.470B	0.504B	0.670E	5.35	5.32	13.7	2.55	1.61	1.15 B	0.500B	8
9	0.610B	0.760B	0.455B	0.504B	1.10 E	5.27	4.15	8.77	2.43	1.60	1.09 B	0.480B	9
10	0.600B	0.760B	0.440B	0.508B	2.66	5.58	3.78	7.85	2.34	1.67	1.00 B	0.450B	10
11	0.585B	0.759B	0.428B	0.512B	2.84	5.24	3.52	7.15	2.25	1.67	1.00 B	0.430B	11
12	0.570B	0.758B	0.430B	0.516B	2.67	4.65	3.35	6.69	2.19	1.67	0.914B	0.415B	12
13	0.559B	0.760B	0.435B	0.520A	2.50	5.66	3.24	6.58	2.16	1.64	0.782B	0.400B	13
14	0.555B	0.770B	0.440B	0.618	3.36	6.88	14.7	5.97	2.10	1.78	0.750B	0.385B	14
15	0.550B	0.780B	0.445B	0.707	7.66	6.15	19.1	5.67	2.03	1.71	0.670B	0.370B	15
16	0.548B	0.790B	0.450B	0.776	6.89	5.96	12.5	5.52	1.95	1.66	0.615B	0.356B	16
17	0.546B	0.810B	0.455B	0.833	8.12	5.41	7.35	7.80	1.88	1.62	0.615B	0.380B	17
18	0.544B	0.830B	0.465B	0.863	10.2	5.05	6.01	7.22	1.82	1.57	0.618B	0.440B	18
19	0.542B	0.840B	0.470B	0.897	9.87	4.51	5.70	6.03	2.01	1.58	0.621B	0.510B	19
20	0.540B	0.860B	0.475B	0.954	10.5	4.16	5.84	5.29	2.66	1.58	0.625B	0.600B	20
21	0.525B	0.850B	0.480B	0.931	14.9	3.90	6.68	4.79	2.13	1.45B	0.630B	0.605B	21
22	0.510B	0.840B	0.485B	0.923	23.3	3.68	15.7	4.56	2.03	1.56B	0.635B	0.615B	22
23	0.500B	0.820B	0.490B	0.918	21.1	3.55	20.7	4.17	1.94	1.53	0.640B	0.630B	23
24	0.485B	0.780B	0.495B	1.02	23.9	3.39	25.5	3.93	1.86	1.57	0.645B	0.645B	24
25	0.470B	0.750B	0.500B	0.930	20.2	3.23	20.6	3.66	1.82	1.61	0.650B	0.655B	25
26	0.460B	0.720B	0.510B	0.699	22.8	3.27	14.2	3.47	1.81	1.62	0.655B	0.670B	26
27	0.441B	0.690B	0.510B	0.620	14.2	3.57	8.23	3.23	1.78	1.60	0.660B	0.685B	27
28	0.460B	0.670B	0.510B	0.616	8.79	3.52	7.34	3.07	1.75	1.59	0.665B	0.700B	28
29	0.500B		0.510B	0.570A	6.82	3.27	12.3	3.00	1.70	1.56	0.670B	0.710B	29
30	0.530B		0.510B	0.575E	7.21	3.17	38.2	3.65	1.68	1.48	0.675B	0.726B	30
31	0.565B		0.510B		11.0		29.0	3.40		1.49		0.650B	31
TOTAL	17.470	21.337	15.248	20.047	248.855	176.25	324.57	241.00	67.75	49.69	26.715	17.208	TOTAL
MEAN	0.564	0.762	0.492	0.668	8.03	5.88	10.5	7.77	2.26	1.60	0.891	0.555	MEAN
MAX	0.695	0.860	0.630	1.02	23.9	21.8	38.2	22.2	3.21	1.78	1.48	0.726	MAX
MIN	0.441	0.600	0.428	0.504	0.560	3.17	3.24	3.00	1.68	1.45	0.615	0.356	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.36
MAXIMUM DAILY, 38.2 ON JUL 30
MINIMUM DAILY, 0.356B ON DEC 16
MAXIMUM INSTANTANEOUS,
57.9 AT 15:15 MST ON JUL 30

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 58 N
LONG 114 50 15 W
DRAINAGE AREA, 334 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 510	JUL	28 000
FEB	1 840	AUG	20 800
MAR	1 320	SEP	5 850
APR	1 730	OCT	4 290
MAY	21 500	NOV	2 310
JUN	15 200	DEC	1 490

TOTAL DISCHARGE, 106 000 dam³

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.020B	0.131B	0.626	0.231	1.12	0.129	0.061	0.057	---	1
2	---	---	---	0.024B	0.115B	0.542	0.203	0.871	0.237	0.067	0.063	---	2
3	---	---	---	0.029B	0.115B	0.500	0.184	0.745	0.250	0.058B	0.055	---	3
4	---	---	---	0.034B	0.103B	0.444	0.178	0.674	0.191	0.050	0.057B	---	4
5	---	---	---	0.038B	0.102	0.395	0.175	0.595	0.197	0.048B	---	---	5
6	---	---	---	0.043B	0.093	0.370	0.178	0.526	0.169	0.046	---	---	6
7	---	---	---	0.047B	0.113	0.355	0.433	0.471	0.147	0.056	---	---	7
8	---	---	---	0.052B	0.167	0.354	0.330	0.409	0.128	0.063	---	---	8
9	---	---	---	0.058B	0.469	0.378	0.240	0.362	0.119	0.060	---	---	9
10	---	---	---	0.060B	0.979	0.607	0.217	0.314	0.112	0.055	---	---	10
11	---	---	---	0.060B	0.949	0.668	0.195	0.275	0.108	0.052	---	---	11
12	---	---	---	0.060B	0.706	0.687	0.179	0.250	0.102	0.048	---	---	12
13	---	---	---	0.061B	0.530	1.12	0.174	0.233	0.101	0.046	---	---	13
14	---	---	---	0.062B	0.670	1.01	0.464	0.215	0.101	0.046	---	---	14
15	---	---	---	0.064B	1.53	0.859	0.667	0.198	0.098	0.045	---	---	15
16	---	---	---	0.070B	0.895	0.753	0.461	0.182	0.093	0.046	---	---	16
17	---	---	---	0.075B	0.733	0.714	0.391	0.181	0.088	0.047	---	---	17
18	---	---	---	0.080B	0.651	0.673	0.343	0.167	0.085	0.045	---	---	18
19	---	---	---	0.090B	0.593	0.595	0.329	0.155	0.109	0.045	---	---	19
20	---	---	---	0.095B	0.612	0.581	0.322	0.148	0.140	0.043	---	---	20
21	---	---	---	0.100B	0.856	0.550	0.666	0.147	0.116	0.042B	---	---	21
22	---	---	---	0.110B	1.10	0.474	0.904	0.134	0.143	0.042B	---	---	22
23	---	---	---	0.119B	1.07	0.434	1.46	0.120	0.133	0.042	---	---	23
24	---	---	---	0.120B	0.831	0.398	2.28	0.113	0.136	0.048	---	---	24
25	---	---	---	0.125B	0.886	0.348	1.40	0.109	0.128	0.066	---	---	25
26	---	---	---	0.130B	1.13	0.315	0.954	0.108	0.107	0.052	---	---	26
27	---	---	---	0.128B	0.801	0.373	0.751	0.108	0.090	0.045	---	---	27
28	---	---	---	0.097B	0.710	0.342	0.708	0.101	0.080	0.045B	---	---	28
29	---		---	0.116B	0.621	0.284	1.14	0.124	0.073	0.045B	---	---	29
30	---		---	0.105B	0.573	0.249	2.45	0.189	0.064	0.045B	---	---	30
31	---		---		0.628		1.38	0.142		0.046	---	---	31
TOTAL	---	---	---	2.272	19.452	15.998	19.987	9.486	3.774	1.545	---	---	TOTAL
MEAN	---	---	---	0.076	0.628	0.533	0.645	0.306	0.126	0.050	---	---	MEAN
MAX	---	---	---	0.130	1.53	1.12	2.45	1.12	0.250	0.067	---	---	MAX
MIN	---	---	---	0.020	0.093	0.249	0.174	0.101	0.064	0.042	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.339
MAXIMUM DAILY, 2.45 ON JUL 30
MINIMUM DAILY, 0.020B ON APR 1
MAXIMUM INSTANTANEOUS,
3.34 AT 02:45 MST ON JUL 30

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 22 N
LONG 117 15 40 W
DRAINAGE AREA, 25.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 730
FEB	---	AUG	820
MAR	---	SEP	326
APR	196	OCT	133
MAY	1 680	NOV	---
JUN	1 380	DEC	---

TOTAL DISCHARGE, 6 270 dam³

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.232B	0.155B	0.094B	0.373B	8.78	1.12	2.63	1.65	0.246	0.017	0.128B	0.205B	1
2	0.226B	0.151B	0.088B	0.473B	8.89	0.974	2.48	1.53	0.242	0.020	0.136B	0.210B	2
3	0.219B	0.147B	0.083B	0.621	8.54	1.09	2.44	1.39	0.177	0.010	0.147B	0.212B	3
4	0.211B	0.145B	0.076B	0.781	7.98	1.15	2.43	1.25	0.182	0.006	0.149B	0.208B	4
5	0.210B	0.142B	0.078B	0.996	7.54	0.970	2.16	1.13	0.183	0.004	0.151B	0.196B	5
6	0.208B	0.140B	0.085B	1.23	7.08	0.861	2.15	1.01	0.188	0.004	0.162B	0.164B	6
7	0.222B	0.138B	0.082B	1.38	6.69	0.933	2.43	0.922	0.166	0.004	0.159B	0.201B	7
8	0.224B	0.136B	0.078B	1.50	6.17	0.829	2.80	0.808	0.178	0.010	0.162B	0.193B	8
9	0.229B	0.135B	0.075B	1.62	5.69	0.842	2.54	0.705	0.158	0.034	0.166B	0.193B	9
10	0.228B	0.133B	0.072B	1.78	5.31	0.783	2.83	0.653	0.169	0.031	0.171B	0.209B	10
11	0.222B	0.132B	0.066B	1.85	5.00	0.756	3.12	0.580	0.146	0.030	0.183B	0.225B	11
12	0.220B	0.130B	0.059B	1.83	4.66	0.750	3.37	0.583	0.106	0.029	0.186B	0.222B	12
13	0.214B	0.128B	0.054B	1.76	4.18	0.739	3.53	0.503	0.080	0.042	0.187B	0.212B	13
14	0.211B	0.127B	0.060B	1.66	3.72	0.715	3.67	0.420	0.072	0.041	0.191B	0.209B	14
15	0.207B	0.126B	0.063B	1.59	3.31	0.737	3.68	0.409	0.047	0.041	0.189B	0.206B	15
16	0.204B	0.123B	0.064B	1.63	2.95	0.730	3.55	0.377	0.035	0.094	0.187B	0.204B	16
17	0.204B	0.119B	0.094B	1.60	2.63	0.869	3.40	0.339	0.039	0.070	0.193B	0.199B	17
18	0.201B	0.128B	0.081B	1.59	2.58	0.883	3.24	0.319	0.029	0.063	0.192B	0.193B	18
19	0.201B	0.137B	0.072B	1.52	2.53	0.840	3.07	0.261	0.045	0.110	0.188B	0.186B	19
20	0.191B	0.128B	0.064B	1.58	2.33	0.821	2.85	0.311	0.058	0.069	0.187B	0.193B	20
21	0.189B	0.123B	0.063B	1.74	2.16	1.00	2.61	0.360	0.034	0.085	0.187B	0.195B	21
22	0.184B	0.119B	0.057B	1.94	1.91	1.04	2.49	0.330	0.037	0.049	0.201B	0.192B	22
23	0.181B	0.118B	0.058B	2.34	1.64	1.20	2.44	0.304	0.038	0.055	0.202B	0.189B	23
24	0.178B	0.113B	0.065B	3.02	1.45	1.38	2.37	0.273	0.025	0.055	0.200B	0.184B	24
25	0.177B	0.105B	0.085B	3.86	1.39	1.47	2.26	0.241	0.032	0.068B	0.197B	0.181B	25
26	0.175B	0.106B	0.107B	4.78	1.43	1.85	2.24	0.216	0.031	0.081B	0.196B	0.183B	26
27	0.173B	0.103B	0.106B	5.95	1.57	1.96	2.27	0.197	0.013	0.095B	0.194B	0.183B	27
28	0.170B	0.097B	0.153B	7.11	1.50	2.08	2.19	0.216	0.011	0.097B	0.193B	0.179B	28
29	0.166B		0.204B	8.07	1.34	2.21	2.07	0.196	0.017	0.107B	0.195B	0.175B	29
30	0.165B		0.235B	8.61	1.23	2.52	1.96	0.248	0.013	0.112B	0.197B	0.179B	30
31	0.161B		0.299B		1.14		1.73	0.221		0.118B		0.176B	31
TOTAL	6.203	3.584	2.920	74.784	123.32	34.102	83.00	17.952	2.797	1.651	5.376	6.056	TOTAL
MEAN	0.200	0.128	0.094	2.49	3.98	1.14	2.68	0.579	0.093	0.053	0.179	0.195	MEAN
MAX	0.232	0.155	0.299	8.61	8.89	2.52	3.68	1.65	0.246	0.118	0.202	0.225	MAX
MIN	0.161	0.097	0.054	0.373	1.14	0.715	1.73	0.196	0.011	0.004	0.128	0.164	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.991
MAXIMUM DAILY, 8.89 ON MAY 2
MINIMUM DAILY, 0.004 ON OCT 5
MAXIMUM INSTANTANEOUS,
11.1 AT 22:40 MST ON MAY 2

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 11 57 N
LONG 112 27 58 W
DRAINAGE AREA, 1 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	536	JUL	7 170
FEB	310	AUG	1 550
MAR	252	SEP	242
APR	6 460	OCT	143
MAY	10 700	NOV	464
JUN	2 950	DEC	523

TOTAL DISCHARGE, 31 300 dam³

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.5B	23.9B	19.0B	74.5B	135	465	112	164	30.6	19.4	26.3	14.5 B	1
2	20.0B	23.8B	17.6B	70.4B	147	437	108	135	29.5	19.4	63.7	15.0 B	2
3	20.0B	23.1B	14.6B	64.7B	148	385	104	115	31.6	23.9	59.5	14.5 B	3
4	20.5B	22.5B	14.1B	60.1B	140	334	110	101	34.0	26.7	51.5	14.0 B	4
5	20.5B	21.8B	16.2B	56.5B	135	307	115	91.0	32.7	24.3	48.0	13.0 B	5
6	20.0B	21.1B	18.6B	56.4B	136	267	103	85.0	30.9	22.5	46.7	12.5 B	6
7	19.5B	20.4B	17.0B	45.6B	141	241	97.1	79.2	29.5	21.3	46.3	11.5 B	7
8	19.0B	19.8B	15.4B	37.6B	189	217	89.9	74.1	28.9	20.4	45.2	10.5 B	8
9	18.5B	19.1B	13.7B	34.6B	277	195	81.5	70.2A	28.5	20.0	43.6	10.8 B	9
10	18.0B	19.0B	12.1B	30.1B	279	183	74.3	68.0E	28.1	19.9	43.0	11.5 B	10
11	17.5B	18.5B	14.0B	25.3B	249	175	68.7	64.5E	28.5	20.0	44.3	12.0 B	11
12	17.5B	18.0B	16.2B	24.1B	223	185	65.6	61.5E	29.9	20.0	45.5	12.3 B	12
13	17.5B	17.5B	27.6B	23.0B	218	205	65.9	59.0E	29.3	20.0	46.8	11.5 B	13
14	17.5B	17.0B	37.2B	21.5B	230	216	72.6	57.0E	27.0	19.3	47.1B	10.5 B	14
15	17.5B	20.0B	41.1B	22.0B	269	208	86.6	53.0E	25.2	18.6	36.8B	11.0 B	15
16	17.5B	25.0B	44.8B	24.0B	312	199	88.1	48.0E	24.0	18.3	29.9B	11.9 B	16
17	18.0B	32.2B	44.1B	26.7B	302	192	80.7	46.5E	23.4	18.4	24.1B	12.8 B	17
18	18.3B	31.7B	41.1B	30.6B	304	175	77.4	45.5E	22.8	27.1	21.8B	15.4 B	18
19	18.5B	31.0B	36.9B	40.3B	302	159	78.4	44.0E	23.3	29.1	18.9B	17.4 B	19
20	18.4B	30.0B	32.0B	58.6B	325	149	86.9	42.0E	24.7	27.2	18.8B	17.3 B	20
21	23.2B	28.5B	29.0B	95.1B	367	141	96.0	40.0E	24.8	25.9	22.6B	16.1 B	21
22	29.5B	27.5B	25.0B	104 B	432	133	94.3	38.5E	24.2	23.7	23.9B	14.9 B	22
23	31.4B	26.5B	22.5B	121 B	471	125	95.0	37.5E	22.9	21.8	19.1B	13.5 B	23
24	30.9B	25.0B	18.8B	142 B	436	119	109	36.3E	22.3	21.2	15.9B	11.7 B	24
25	30.5B	24.0B	19.7B	231 B	411	116	115	42.0E	23.5	21.2	11.7B	11.1 B	25
26	29.6B	22.0B	27.3B	208 E	440	115	101	45.0E	24.1	20.9	12.0B	10.7 B	26
27	30.0B	21.0B	38.6B	184 E	505	116	89.1	43.5E	22.8	22.5	12.4B	10.6 B	27
28	28.6B	20.0B	52.4B	171 A	433	112	84.2	41.0E	21.3	28.0	13.0B	10.3 B	28
29	27.8B		56.8B	142 A	353	107	84.3	38.0E	19.9	26.1	14.0B	10.0 B	29
30	26.4B		66.6B	130	325	104	200	35.2A	19.3	24.6	15.0B	9.80B	30
31	26.2B		62.3B		357		210	32.6		23.3		9.70B	31
TOTAL	688.8	649.9	912.3	2 354.7	8 991	6 082	3 043.6	1 933.1	787.5	695.0	967.4	388.30	TOTAL
MEAN	22.2	23.2	29.4	78.5	290	203	98.2	62.4	26.3	22.4	32.2	12.5	MEAN
MAX	31.4	32.2	66.6	231	505	465	210	164	34.0	29.1	63.7	17.4	MAX
MIN	17.5	17.0	12.1	21.5	135	104	65.6	32.6	19.3	18.3	11.7	9.70	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 75.3
MAXIMUM DAILY, 505 ON MAY 27
MINIMUM DAILY, 9.70B ON DEC 31
MAXIMUM INSTANTANEOUS,
512 AT 15:30 MST ON MAY 27

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 04 20 N
LONG 118 48 10 W
DRAINAGE AREA, 11 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	59 500	JUL	263 000
FEB	56 200	AUG	167 000
MAR	78 800	SEP	68 000
APR	203 000	OCT	60 000
MAY	777 000	NOV	83 600
JUN	525 000	DEC	33 500

TOTAL DISCHARGE, 2 370 000 dam³

WARE COULEE ABOVE MATIHIWIN CREEK - STATION NO. 05CJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.145	0.059	0.523	1.44	1.99	0.786	1.12	0.111	---	1
2	---	---	---	0.137	0.061	0.179	2.74	2.06	0.825	1.05	0.103	---	2
3	---	---	---	0.124	0.062	0.266	2.62	2.52	0.930	0.966	0.097	---	3
4	---	---	---	0.104	0.058	0.231	2.73	2.01	0.954	1.01	0.094A	---	4
5	---	---	---	0.096	0.058	0.135	3.10	1.82	0.761	0.883	---	---	5
6	---	---	---	0.093	0.077	0.550	2.04	1.21	0.787	0.563	---	---	6
7	---	---	---	0.091	0.090	0.602	1.39	0.745	0.792	0.448	---	---	7
8	---	---	---	0.085	0.128	0.462	1.26	0.746	0.716	0.442	---	---	8
9	---	---	---	0.083	0.223	0.391	0.808	0.839	0.651	0.470	---	---	9
10	---	---	0.048B	0.082	0.223	1.20	0.734	0.813	1.10	0.688	---	---	10
11	---	---	---	0.081	0.238	1.25	0.541	0.723	1.33	1.90	---	---	11
12	---	---	---	0.077	0.169	1.05	0.441	0.673	0.941	2.01	---	---	12
13	---	---	---	0.073	0.184	1.16	0.309	0.541	0.900	2.26	---	---	13
14	---	---	---	0.070	0.231	1.76	0.552	0.549	0.973	2.23	---	---	14
15	---	---	---	0.068	0.271	1.13	0.813	0.793	1.46	2.03	---	---	15
16	---	---	---	0.066	0.517	1.11	0.763	0.922	1.07	1.46	---	---	16
17	---	---	---	0.060	0.542	1.46	0.853	0.944	0.742	0.528	---	---	17
18	---	---	---	0.062	0.478	1.83	1.28	1.18	0.791	0.296	---	---	18
19	---	---	---	0.062	0.464	1.49	1.53	1.31	0.850	0.493	---	---	19
20	---	---	---	0.095	0.451	1.81	1.52	1.26	0.917	0.382	---	---	20
21	---	---	---	0.089	0.431	2.02	1.17	1.39	0.816	0.290	---	---	21
22	---	---	---	0.068	0.433	1.76	1.06	1.40	0.996	0.237	---	---	22
23	---	---	0.066B	0.064	0.418	0.951	1.27	1.34	0.947	0.197	---	---	23
24	---	---	0.099B	0.066	0.421	0.881	2.45	1.35	0.949	0.182	---	---	24
25	---	---	---	0.067	0.353	0.758	2.73	1.15	0.916	0.173	---	---	25
26	---	---	---	0.068	0.452	0.808	2.56	0.928	0.858	0.163	---	---	26
27	---	---	---	0.066	0.470	0.789	2.22	1.00	0.908	0.150	---	---	27
28	---	---	---	0.065	0.216	0.749	1.48	0.913	0.880	0.140	---	---	28
29	---		---	0.063	0.574	0.743	1.36	0.718	0.891	0.130	---	---	29
30	---		0.215A	0.061	0.445	1.05	2.03	0.785	0.926	0.110	---	---	30
31	---		0.153		0.638		2.11	0.829		0.105		---	31
TOTAL	---	---	---	2.431	9.435	29.098	47.904	35.451	27.363	23.106	---	---	TOTAL
MEAN	---	---	---	0.081	0.304	0.970	1.55	1.14	0.912	0.745	---	---	MEAN
MAX	---	---	---	0.145	0.638	2.02	3.10	2.52	1.46	2.26	---	---	MAX
MIN	---	---	---	0.060	0.058	0.135	0.309	0.541	0.651	0.105	---	---	MIN

SUMMARY FOR THE MONTHS MAY TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.937
MAXIMUM DAILY, 3.10 ON JUL 5
MINIMUM DAILY, 0.058 ON MAY 4
MAXIMUM INSTANTANEOUS,
3.85 AT 04:00 MST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 45 N
LONG 111 46 55 W
DRAINAGE AREA, 95.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 140
FEB	---	AUG	3 060
MAR	---	SEP	2 360
APR	210	OCT	2 000
MAY	815	NOV	---
JUN	2 510	DEC	---

TOTAL DISCHARGE, 14 900 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.370B	0.620B	0.689B	2.77B	14.2	26.3	1.83	9.63	0.418	0.413	0.617	0.536B	1
2	0.380B	0.610B	0.919B	3.75B	13.4	33.5	1.72	7.47	0.429	0.435	0.611	0.512B	2
3	0.400B	0.600B	0.931B	4.47B	12.5	29.8	1.72	6.02	0.431	0.397	0.599	0.405B	3
4	0.420B	0.595B	0.968B	5.35B	11.4	25.5	1.58	4.93	0.437	0.365	0.662	0.385B	4
5	0.440B	0.590B	0.928B	6.06B	10.5	19.7	1.42	4.23	0.454	0.352	0.738	0.475B	5
6	0.460B	0.575B	0.765B	5.89B	9.65	15.0	1.36	3.94	0.461	0.381	0.689	0.370B	6
7	0.470B	0.560B	0.683B	5.66B	9.38	12.3	1.27	3.67	0.456	0.366	0.697B	0.258B	7
8	0.500B	0.540B	0.665B	5.22B	10.5	10.3	1.17	2.94	0.439	0.435	0.739B	0.227B	8
9	0.520B	0.520B	0.642B	4.94B	12.7	8.58	1.14	2.44	0.423	0.437	0.545B	0.173B	9
10	0.540B	0.480B	0.652B	4.39B	13.2	7.38	1.09	2.07	0.396	0.423	0.704B	0.169B	10
11	0.550B	0.475B	0.758B	3.23B	12.5	6.76	1.04	1.78	0.393	0.433	0.693B	0.165B	11
12	0.570B	0.470B	1.02 B	3.17B	11.3	7.47	0.989	1.56	0.312	0.447	0.650B	0.161B	12
13	0.590B	0.465B	1.11 B	3.74B	10.0	10.2	0.903	1.36	0.313	0.444	0.912B	0.157B	13
14	0.600B	0.470B	1.19 B	3.97B	8.94	11.1	0.880	1.21	0.310	0.450	0.848B	0.153B	14
15	0.620B	0.500B	1.32 B	4.19B	8.16	9.45	0.879	1.08	0.293	0.442	0.747B	0.151B	15
16	0.635B	0.540B	1.40 B	5.19B	7.61	7.85	0.890	0.975	0.309	0.432	0.817B	0.149B	16
17	0.650B	0.580B	1.14 B	6.40B	7.00	6.65	0.967	0.921	0.284	0.415	0.618B	0.155B	17
18	0.670B	0.610B	1.00 B	7.06B	6.68	5.88	0.937	0.851	0.290	0.395	0.647B	0.160B	18
19	0.690B	0.650B	0.983B	7.94B	6.36	5.44	0.917	0.761	0.315	0.428	0.625B	0.180B	19
20	0.703B	0.665B	1.31 B	8.63B	5.83	4.92	0.980	0.705	0.320	0.411	0.580B	0.210B	20
21	0.720B	0.680B	0.922B	10.9 B	5.55	4.57	1.82	0.646	0.313	0.416	0.541B	0.220B	21
22	0.735B	0.690B	0.889B	15.2 B	5.74	4.28	2.51	0.586	0.365	0.421	0.588B	0.210B	22
23	0.740B	0.690B	0.848B	17.8 B	7.34	3.96	5.89	0.553	0.388	0.416	0.637B	0.200B	23
24	0.740B	0.690B	0.826B	25.2	11.8	3.66	7.85	0.517	0.450	0.437	0.582B	0.190B	24
25	0.730B	0.610B	1.07 B	26.5	11.4	3.28	6.79	0.478	0.547	0.484	0.475B	0.180B	25
26	0.705B	0.590B	1.07 B	23.4	9.58	2.99	5.50	0.461	0.565	0.513	0.480B	0.170B	26
27	0.685B	0.537B	1.36 B	18.7	9.70	2.66	4.41	0.470	0.481	0.567	0.495B	0.160B	27
28	0.685B	0.561B	1.37 B	17.5	13.4	2.34	3.95	0.428	0.436	0.617	0.506B	0.150B	28
29	0.645B		1.47 B	16.1	20.2	2.06	3.90	0.421	0.432	0.630	0.518B	0.140B	29
30	0.635B		1.88 B	14.6	15.9	1.91	6.97	0.417	0.466	0.735	0.524B	0.130B	30
31	0.630B		2.00 B		14.0		12.5	0.418		0.569		0.120B	31
TOTAL	18.428	16.113	32.778	287.92	326.42	295.79	85.772	63.938	11.876	14.106	19.084	7.021	TOTAL
MEAN	0.594	0.575	1.06	9.60	10.5	9.86	2.77	2.06	0.396	0.455	0.636	0.226	MEAN
MAX	0.740	0.690	2.00	26.5	20.2	33.5	12.5	9.63	0.565	0.735	0.912	0.536	MAX
MIN	0.370	0.465	0.642	2.77	5.55	1.91	0.879	0.417	0.284	0.352	0.475	0.120	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.23
MAXIMUM DAILY, 33.5 ON JUN 2
MINIMUM DAILY, 0.120B ON DEC 31
MAXIMUM INSTANTANEOUS,
35.8 AT 01:30 MST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 03 N
LONG 117 12 20 W
DRAINAGE AREA, 1 040 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 590	JUL	7 410
FEB	1 390	AUG	5 520
MAR	2 830	SEP	1 030
APR	24 900	OCT	1 220
MAY	28 200	NOV	1 650
JUN	25 600	DEC	607

TOTAL DISCHARGE, 102 000 dam³

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	13.8 B	0.244	0.026	0	0	0	0	---	---	1
2	---	---	0 B	15.2 B	0.236	0.026	0	0	0	0	---	---	2
3	---	---	0 B	13.9	0.278	0.028	0	0	0	0	---	---	3
4	---	---	0 B	12.0	0.398	0.031	0	0	0	0	---	---	4
5	---	---	0 B	10.4	0.464	0.031	0	0	0	0	---	---	5
6	---	---	0 B	9.48	0.702	0.031	0	0	0	0	---	---	6
7	---	---	0 B	7.67	0.636	0.027	0	0	0	0	---	---	7
8	---	---	0 B	7.58	0.451	0.020	0	0	0	0	---	---	8
9	---	---	0 B	6.60	0.447	0.013	0	0	0	0	---	---	9
10	---	---	0 B	5.79	0.436	0.008	0	0	0	0	---	---	10
11	---	---	0 B	4.81	0.398	0.004	0	0	0	0	---	---	11
12	---	---	0 B	2.93	0.329	0	0	0	0	0	---	---	12
13	---	---	0 B	3.66	0.623	0	0	0	0	0	---	---	13
14	---	---	0 B	3.42	0.605	0	0	0	0	0	---	---	14
15	---	---	0 B	2.74	0.312	0	0	0	0	0	---	---	15
16	---	---	0 B	2.34	0.167	0	0	0	0	0	---	---	16
17	---	---	0 B	1.91	0.122	0.006	0	0	0	0	---	---	17
18	---	---	0 B	1.56	0.081	0.003	0	0	0	0	---	---	18
19	---	---	0 B	1.26	0.109	0	0	0	0	0	---	---	19
20	---	---	0 B	0.946	0.121	0	0	0	0	0	---	---	20
21	---	---	0 B	0.838	0.124	0.011	0	0	0	0	---	---	21
22	---	---	0 B	0.711	0.075	0.009	0	0	0	0	---	---	22
23	---	---	0 B	0.581	0.052	0.005	0	0	0	0	---	---	23
24	---	---	0 B	0.492	0.035	0.002	0	0	0	0	---	---	24
25	---	---	0 B	0.474	0.027	0	0	0	0	0	---	---	25
26	---	---	0.055B	0.353	0.012	0	0	0	0	0	---	---	26
27	---	---	0.856B	0.263	0.011	0	0	0	0	0	---	---	27
28	---	---	2.14 B	0.295	0.023	0	0	0	0	0	---	---	28
29	---		3.40 B	0.410	0.027	0	0	0	0	0	---	---	29
30	---		4.66 B	0.342	0.023	0	0	0	0	0	---	---	30
31	---		8.33 B		0.019		0	0		0		---	31
TOTAL	---	---	19.441	132.755	7.587	0.281	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.627	4.43	0.245	0.009	0	0	0	0	---	---	MEAN
MAX	---	---	8.33	15.2	0.702	0.031	0	0	0	0	---	---	MAX
MIN	---	---	0	0.263	0.011	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.653
MAXIMUM DAILY, 15.2B ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.0 AT 02:50 MST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 07 23 N
LONG 112 46 58 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 680	SEP	0
APR	11 500	OCT	0
MAY	656	NOV	---
JUN	24.3	DEC	---

TOTAL DISCHARGE, 13 900 dam³

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	0E	0 E	8.78	9.65	13.3	19.8	31.3	13.1	11.5	7.38	0E	1
2	0E	0E	0 E	8.77	9.86	13.3	19.8	29.1	13.1	11.4	3.79	0E	2
3	0E	0E	0 E	8.81	10.1	13.3	19.8	26.0	13.0	11.4	0.978	0E	3
4	0E	0E	0 E	8.78	12.0	13.3	19.8	22.3	13.0	11.3	0.132	0E	4
5	0E	0E	0 E	8.82	13.4	13.3	19.8	20.5	13.0	11.2	0.051E	0E	5
6	0E	0E	0 E	8.77	13.4	13.3	19.8	20.5	12.9	11.2	0 E	0E	6
7	0E	0E	0 E	8.76	13.4	13.3	19.8	20.5	12.9	11.1	0 E	0E	7
8	0E	0E	0 E	8.77	13.4	13.2	19.8	20.4	12.8	11.0	0 E	0E	8
9	0E	0E	0 E	8.77	13.3	13.2	19.9	20.4	12.8	15.1	0 E	0E	9
10	0E	0E	0 E	8.76	13.2	13.2	19.9	17.8	12.7	18.0	0 A	0E	10
11	0E	0E	2.76A	8.73	13.2	13.2	19.8	16.0	12.6	17.8	0 E	0E	11
12	0E	0E	7.16	8.72	13.2	13.2	19.7	15.9	12.5	17.6	0 E	0E	12
13	0E	0E	8.62	8.73	13.2	13.3	22.5	15.9	12.5	21.2	0 E	0E	13
14	0E	0E	8.62	8.72	13.3	13.4	28.7	15.9	12.4	23.9	0 E	0E	14
15	0E	0E	8.59	8.73	13.5	13.3	33.8	15.9	12.4	23.5	0 E	0E	15
16	0E	0E	8.61	8.72	13.5	13.2	39.2	15.9	12.3	30.1	0 E	0E	16
17	0E	0E	8.61	8.69	13.3	13.2	42.0	14.5	12.3	34.1	0 E	0E	17
18	0E	0E	8.61	8.73	13.2	13.2	41.8	13.6	12.2	33.0	0 E	0E	18
19	0E	0E	8.58	8.73	13.3	13.1	41.5	13.5	12.1	33.6	0 E	0E	19
20	0E	0E	8.58	8.70	13.3	13.1	41.4	13.6	12.1	33.6	0 E	0E	20
21	0E	0E	8.55	8.72	13.3	13.1	41.3	13.5	12.0	34.3	0 E	0E	21
22	0E	0E	8.54	8.71	13.7	13.1	37.3	13.5	11.9	33.8	0 E	0E	22
23	0E	0E	8.54	8.74	13.8	13.1	32.7	13.4	11.9	35.0	0 E	0E	23
24	0E	0E	8.53	8.81	13.6	13.1	31.1	13.4	11.9	34.7	0 E	0E	24
25	0E	0E	8.57	8.90	13.5	13.1	31.2	13.3	11.8	32.3	0 E	0E	25
26	0E	0E	8.59	9.04	13.4	13.2	31.4	13.3	11.8	33.9	0 E	0E	26
27	0E	0E	8.56	9.15	13.4	13.2	31.4	13.3	11.7	33.5	0 E	0E	27
28	0E	0E	8.61	9.26	13.3	13.3	31.4	13.2	11.7	29.6	0 E	0E	28
29	0E		8.58	9.42	13.3	16.9	31.4	13.2	11.6	25.4	0 E	0E	29
30	0E		8.63	9.55	13.2	19.9	31.4	13.2	11.5	19.8	0 E	0E	30
31	0E		8.66		13.2		31.3	13.1		12.4		0E	31
TOTAL	0	0	173.10	265.29	402.41	406.9	890.5	525.9	370.5	716.3	12.331	0	TOTAL
MEAN	0	0	5.58	8.84	13.0	13.6	28.7	17.0	12.4	23.1	0.411	0	MEAN
MAX	0	0	8.66	9.55	13.8	19.9	42.0	31.3	13.1	35.0	7.38	0	MAX
MIN	0	0	0	8.69	9.65	13.1	19.7	13.1	11.5	11.0	0	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.3
MAXIMUM DAILY, 42.0 ON JUL 17
MINIMUM DAILY, 0E ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 20 N
LONG 113 38 10 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	76 900
FEB	0	AUG	45 400
MAR	15 000	SEP	32 000
APR	22 900	OCT	61 900
MAY	34 800	NOV	1 070
JUN	35 200	DEC	0

TOTAL DISCHARGE, 325 000 dam³

WATERTON LAKE AT WATERTON PARK - STATION NO. 05AD025

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1279.240	1279.600	1279.340	1278.840	---	1278.379	---	---	1
2	---	---	---	---	1279.457	1279.500	1279.313E	1278.820	---	1278.379	---	---	2
3	---	---	---	1278.540	1279.490	1279.460	1279.285	1278.799	1278.518	1278.369	---	---	3
4	---	---	1278.500	---	1279.420	1279.450	1279.285	1278.780	1278.500	1278.379	1278.374	---	4
5	1278.836	---	---	---	1279.360	1279.460	1279.300	1276.760	1278.500	1278.379	---	---	5
6	---	---	---	---	1279.290	1279.440	1279.320	1278.740	---	1278.369	---	---	6
7	1278.780	---	---	---	1279.210	1279.440	1279.310	1278.725E	1278.490	---	---	---	7
8	---	---	---	1278.550	1279.181	1279.400	1279.280	1278.710	1278.490	1278.369	---	---	8
9	---	---	1278.492	---	1279.130	1279.350	1279.200	1278.710	1278.490	1278.389	---	---	9
10	---	---	---	---	1279.095E	1279.300	1279.115	1278.700E	1278.460	1278.367	---	---	10
11	---	1278.590	1278.490	---	1279.060	1279.274E	1279.122	1278.690	1278.473	1278.367	---	---	11
12	---	---	---	---	1279.036E	1279.247E	1279.116E	1278.680	1278.450	---	---	---	12
13	---	---	---	---	1279.012	1279.220	1279.110	1278.674	1278.450	1278.389	---	---	13
14	1278.620	---	---	---	1279.000	1279.250	1279.080E	1278.666	1278.442	1278.409	---	---	14
15	---	---	---	1278.510	1279.100	1279.230	1279.050	1278.653	1278.440	1278.389	---	1278.423	15
16	---	---	---	---	1279.250	1279.270	1279.030	1278.643E	1278.440	1278.409	---	1278.429	16
17	---	1278.500	---	---	1279.270	1279.310	1279.010	1278.632	1278.438	1278.379	---	1278.424	17
18	---	1278.500	---	---	1279.260	1279.300	1279.010	1278.620	1278.433	1278.379	1278.391	1278.419	18
19	---	---	---	---	1279.330	1279.275E	1279.010	1278.621	1278.430	1278.359	---	---	19
20	---	---	---	---	1279.420	1279.250	1279.000	1278.612	1278.410	1278.379	---	1278.409	20
21	1278.560	---	---	---	1279.530	1279.260	1279.000	1278.601E	1278.430	1278.389	---	1278.419	21
22	---	---	---	1278.640	1279.930	1279.250	1278.980	1278.590	---	---	---	1278.409	22
23	---	---	---	---	1280.18,	1279.230	1278.970	1278.583E	---	---	---	---	23
24	---	---	---	---	1280.101	1279.230	1278.960	1278.575E	---	---	---	1278.399	24
25	---	---	1278.530	---	1280.018	1279.250	1279.000	1278.568	---	---	---	---	25
26	---	---	---	---	1279.974E	1279.320	1278.960	1278.560	---	---	---	---	26
27	---	---	---	1279.146	1279.930	1279.350	1278.940	1278.550	---	---	---	---	27
28	1278.554	---	---	---	1279.830	1279.330	1278.940	1278.540E	---	---	---	---	28
29	---		---	1279.112	1279.750	1279.335	1278.915E	1278.530E	---	---	---	---	29
30	---		---	---	1279.680	1279.290	1278.890	1278.520	---	---	---	---	30
31	---		1278.545		1279.630		1278.860	1278.500		---		---	31
MEAN	---	---	---	---	1279.457	1279.329	1279.087	1278.651	---	---	---	---	MEAN
MAX	---	---	---	---	1280.180	1279.600	1279.340	1278.840	---	---	---	---	MAX
MIN	---	---	---	---	1279.000	1279.220	1278.860	1278.500	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 1280.180 ON MAY 23

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 03 12 N
LONG 113 54 18 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERTON RESERVOIR - STATION NO. 05AD026

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1180.235	1179.795	1179.955	1179.925	1181.989	1183.857	1184.263	1183.630	1182.192	1179.515	1171.366	1171.368	1
2	1180.217	1179.855	1179.951	1179.937	1182.422	1183.823	1184.260	1183.557	1182.119	1179.416	1171.127E	1171.385	2
3	1180.201	1179.895	1179.952	1179.946	1182.995	1183.804	1184.245	1183.496	1182.057	1179.312	1170.887A	1171.394	3
4	1180.178	1179.916	1179.953	1179.955	1183.547	1183.750	1184.202	1183.455	1181.985	1179.214	1170.738	1171.398	4
5	1180.142	1179.933	1179.952	1179.967	1184.006	1183.705	1184.160	1183.432	1181.907	1179.110	1170.636	1171.425	5
6	1180.102	1179.933	1179.951	1179.978	1184.192	1183.730	1184.180	1183.400	1181.824	1179.016	1170.604	1171.471	6
7	1180.110	1179.926	1179.948	1179.982	1184.186	1183.738	1184.243	1183.361	1181.738	1178.920	1170.628	1171.505	7
8	1180.095	1179.923	1179.947	1179.979	1184.077	1183.725	1184.310	1183.317	1181.649	1178.820	1170.661	1171.533	8
9	1180.072	1179.911	1179.945	1179.973	1183.978	1183.733	1184.335	1183.262	1181.564	1178.703	1170.690	1171.565	9
10	1180.069	1179.891	1179.945	1179.964	1183.819	1183.677	1184.299	1183.209	1181.480	1178.533	1170.727	1171.603	10
11	1180.056	1179.881	1179.946	1179.951	1183.660	1183.563	1184.227	1183.184	1181.396	1178.357	1170.763	1171.630	11
12	1180.049	1179.892	1179.941	1179.940	1183.678	1183.573	1184.130	1183.155	1181.307	1178.190	1170.792	1171.653	12
13	1180.043	1179.914	1179.917	1179.929	1183.766	1183.645	1184.034	1183.120	1181.219	1178.005	1170.822	1171.663	13
14	1180.024	1179.928	1179.889	1179.916	1183.838	1184.018	1184.015	1183.084	1181.131	1177.776	1170.852	1171.673	14
15	1180.002	1179.938	1179.861	1179.904	1183.970	1183.951	1184.020	1183.061	1181.042	1177.531	1170.887	1171.698	15
16	1179.993	1179.948	1179.827	1179.885	1184.149	1183.751	1184.013	1183.026	1180.951	1177.236	1170.929	1171.731	16
17	1179.972	1179.978	1179.824	1179.871	1183.966	1183.708	1183.949	1182.984	1180.863	1176.843	1170.974	1171.758	17
18	1179.980	1179.999	1179.814	1179.858	1183.892	1183.752	1183.870	1182.953	1180.773	1176.477	1171.014	1171.783	18
19	1179.989	1179.996	1179.793	1179.847	1183.896	1183.767	1183.784	1182.921	1180.673	1176.132	1171.045	1171.826	19
20	1179.997	1179.993	1179.771	1179.845	1183.933	1183.734	1183.689	1182.889	1180.576	1175.779	1171.092	1171.871	20
21	1179.993	1179.988	1179.758	1179.851	1184.007	1183.694	1183.591	1182.847	1180.478	1175.425	1171.136	1171.902	21
22	1179.988	1179.989	1179.744	1179.879	1184.516	1183.678	1183.496	1182.801	1180.382	1175.034	1171.182	1171.928	22
23	1179.975	1179.987	1179.741	1179.929	1184.759	1183.719	1183.434	1182.753	1180.287	1174.666E	1171.223	1171.947	23
24	1179.913	1179.977	1179.737	1180.010	1184.513	1183.736	1183.418	1182.703	1180.191	1174.211E	1171.253	1171.950	24
25	1179.866	1179.966	1179.739	1180.189	1184.278	1183.749	1183.509	1182.650	1180.093	1173.799E	1171.265	1171.944	25
26	1179.818	1179.959	1179.754	1180.466	1184.183	1183.822	1183.689	1182.593	1180.002	1173.388E	1171.283	1171.967	26
27	1179.785	1179.960	1179.779	1180.779	1184.136	1183.925	1183.767	1182.536	1179.904	1172.976E	1171.307	1171.997	27
28	1179.784	1179.956	1179.797	1181.102	1184.065	1184.091	1183.784	1182.473	1179.809	1172.564A	1171.322	1172.015	28
29	1179.785		1179.823	1181.400	1183.915	1184.231	1183.774	1182.407	1179.707	1172.285	1171.320	1172.025	29
30	1179.790		1179.866	1181.680	1183.838	1184.288	1183.738	1182.332	1179.610	1171.889	1171.352	1172.034	30
31	1179.787		1179.899		1183.852		1183.694	1182.266		1171.571		1172.046	31
MEAN	1180.000	1179.937	1179.862	1180.128	1183.872	1183.798	1183.939	1182.995	1180.964	1176.474	1170.996	1171.732	MEAN
MAX	1180.235	1179.999	1179.955	1181.680	1184.759	1184.288	1184.335	1183.630	1182.192	1179.515	1171.366	1172.046	MAX
MIN	1179.784	1179.795	1179.737	1179.845	1181.989	1183.563	1183.418	1182.266	1179.610	1171.571	1170.604	1171.368	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1179.561
MAXIMUM DAILY, 1184.759 ON MAY 23
MINIMUM DAILY, 1170.604 ON NOV 6
MAXIMUM INSTANTANEOUS,
1184.793 AT 13:50 MST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 18 N
LONG 113 40 52 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1965

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.7 B	5.52B	9.82	3.36	1.95	96.8	43.9	2.23	2.08	1.73	10.0	2.45B	1
2	30.5 B	2.04B	9.47	2.99	1.97	87.2	43.8	2.16	2.21	1.78	11.0	2.42B	2
3	28.9 B	6.23B	9.52	2.82	2.06	77.7	43.6	2.19	2.37	1.83	15.9	2.40B	3
4	27.6 B	7.62B	9.45	2.81	2.30	76.9	43.4	2.25	2.38	1.77	13.7	2.37B	4
5	24.2 B	9.50B	9.52	2.66	8.54	72.0	40.4	2.19	3.42	1.85	9.03	2.35B	5
6	20.6 B	10.8 B	9.39	2.55	35.3	66.1	33.9	2.20	4.23	1.75	6.25	2.32B	6
7	20.0 B	9.20B	9.13	2.61	49.7	66.0	30.8	2.15	4.17	1.96	3.00	2.30B	7
8	19.2 B	8.14B	8.82	2.55	56.4	66.0	31.0	2.20	4.13	1.81	2.58	2.27B	8
9	17.0 B	7.43B	8.78	2.32	57.4	52.5	31.2	2.16	3.84	1.75	2.43	2.25B	9
10	16.5 B	10.0 B	8.76	2.33	56.0	65.8	31.2	2.12	1.94	1.78	2.18	2.22B	10
11	15.5 B	11.0 B	7.99	2.34	43.9	53.6	31.0	2.13	1.85	1.91	2.30	2.10B	11
12	15.0 B	11.4 B	2.44	2.48	24.6	42.5	30.6	2.17	1.89	1.91	2.28	2.00B	12
13	14.5 B	11.4 B	1.99	2.35	15.6	53.4	24.3	2.19	1.82	1.69	2.27	2.02B	13
14	13.2 B	12.4 B	2.31	2.33	15.4	112	11.6	2.29	1.83	1.65	2.32	2.03B	14
15	12.3 B	12.0 B	2.33	2.26	34.8	106	5.31	2.32	1.81	1.64	2.16	2.05B	15
16	11.7 B	12.1 B	2.40	2.19	118	83.0	3.31	2.30	1.86	1.59	2.24	2.07B	16
17	11.0 B	12.2 B	2.74	2.40	114	64.4	2.84	2.28	1.90	1.60	2.48	2.10B	17
18	10.0 B	12.2 B	2.46	2.55	98.1	58.1	2.88	2.26	1.97	1.55	2.42	2.15B	18
19	9.55B	12.3	2.46	2.47	99.5	57.7	2.72	2.29	1.86	1.56	2.43	2.20B	19
20	9.94B	12.2	2.33	2.42	93.9	57.0	2.55	2.34	1.96	1.62	2.33	2.25B	20
21	9.72B	12.5	6.40	2.40	100	56.3	2.50	2.37	1.95	1.56	2.33	2.22B	21
22	9.26B	12.9	3.17	2.32	193	50.6	2.63	2.30	1.90	1.59	2.27	2.21B	22
23	10.8 B	12.9	2.21	2.29	261	44.6	2.53	2.30	1.88	1.57	2.31	2.20B	23
24	16.6 B	12.3	2.24	2.02	241	44.7	2.93	2.31	2.03	1.56	2.23B	2.20B	24
25	13.6 B	11.6	2.45	2.11	198	40.3	2.65	2.29	2.09	1.48	2.10B	2.20B	25
26	11.8 B	10.8	2.95	2.18	170	35.3	2.78	2.30	2.28	1.48	2.15B	2.20B	26
27	9.00B	10.5	3.21	2.09	153	35.7	2.91	2.25	2.08	1.51	2.20B	2.19B	27
28	7.15B	10.1	3.07	1.95	144	36.3	2.58	2.12	1.95	1.50	2.40B	2.19B	28
29	8.27B		3.17	2.06	131	36.8	2.45	2.25	1.82	1.67	2.45B	2.19B	29
30	6.11B		3.78	2.12	108	40.2	2.36	2.22	1.71	9.91	2.50B	2.19B	30
31	6.61B		3.81		96.5		2.33	2.18		11.1		2.19B	31
TOTAL	468.81	289.28	158.57	72.33	2 724.92	1 835.5	518.96	69.31	69.21	69.66	122.44	68.50	TOTAL
MEAN	15.1	10.3	5.12	2.41	87.9	61.2	16.7	2.24	2.31	2.25	4.08	2.21	MEAN
MAX	32.7	12.9	9.82	3.36	261	112	43.9	2.37	4.23	11.1	15.9	2.45	MAX
MIN	6.11	2.04	1.99	1.95	1.95	35.3	2.33	2.12	1.71	1.48	2.10	2.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.7
MAXIMUM DAILY, 261 ON MAY 23
MINIMUM DAILY, 1.48 ON OCT 25
MAXIMUM INSTANTANEOUS,
279 AT 17:50 MST ON MAY 22

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 25 43 N
LONG 113 29 22 W
DRAINAGE AREA, 1 600 km²

B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	40 500	JUL	44 800
FEB	25 000	AUG	5 990
MAR	13 700	SEP	5 980
APR	6 250	OCT	6 020
MAY	235 000	NOV	10 600
JUN	159 000	DEC	5 920

TOTAL DISCHARGE, 559 000 dam³

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.3 B	6.19	4.74	6.29	40.1	91.8	53.7	18.3	6.09	3.62	3.35	2.50A	1
2	17.1 B	7.04B	4.88	6.32	61.8	82.6	54.1	17.1	5.76	3.37	3.07	2.58A	2
3	15.8 B	5.21B	4.89	6.16	69.0	76.5	51.2	16.1	5.47	2.90	3.22	2.67A	3
4	15.6 B	5.71B	4.67	6.32	63.6	75.2	49.5	15.1	5.44	2.79	2.92	2.74A	4
5	12.8 B	4.88B	4.47	7.01	58.1	74.3	50.1	14.4	5.27	2.84	2.91	2.69A	5
6	16.3 B	5.01B	4.54	6.46	51.7	73.1	51.3	13.6	5.21	2.94	2.98	2.79A	6
7	15.9 B	4.51B	4.62	5.89	45.5	71.3	52.9	12.9	5.12	2.76	2.68	2.92A	7
8	13.1 B	4.28B	4.71	6.21	41.8	68.2	49.5	12.3	5.19	3.12	2.80	2.66A	8
9	13.7 B	4.08B	4.61	5.85	39.3	63.1	42.1	11.9	4.95	2.96	3.05	2.88A	9
10	11.6 B	4.09B	4.59	5.85	36.0	57.2	36.5	11.5	4.63	2.75	2.94	2.95E	10
11	10.8 B	4.43B	4.22	5.58	33.9	51.6	33.8	11.0	4.63	2.63	2.98	3.01A	11
12	10.8 B	4.00B	4.24	5.51	32.2	47.6	31.7	10.7	4.24	2.90	3.01	2.67A	12
13	9.63B	3.84B	4.39	5.51	30.9	49.0	31.0	10.3	4.05	3.08	2.71	3.01A	13
14	8.79B	3.97B	4.52	5.52	30.2	52.6	31.3	10.1	3.96	3.17	3.06	3.08E	14
15	9.27B	3.81B	4.59	5.30	40.2	52.3	29.0	10.1	3.95	3.41	3.38	3.14A	15
16	8.58B	4.06B	4.69	5.32	51.9	56.0	27.7	9.71	3.98	3.23	3.06	3.20A	16
17	7.92B	4.70B	5.15	5.53	52.9	58.2	27.1	9.43	3.92	2.81	2.87	3.12A	17
18	7.82B	4.55	5.51	5.46	52.3	57.5	26.8	9.06	3.82	3.25	3.04	3.30A	18
19	7.65	4.48	5.60	6.06	56.2	54.2	26.8	8.80	4.11	3.13	3.28	3.30A	19
20	7.33	5.02	5.52	7.08	65.3	52.8	26.3	8.51	3.95	3.07	3.66	3.74A	20
21	7.13	5.26	5.52	8.31	77.5	53.4	25.6	8.05	3.90	3.04	3.47	3.24A	21
22	6.88	5.05	5.82	9.97	122	52.3	24.4	7.72	3.82	3.02	3.46	2.99A	22
23	6.65	4.67	5.93	11.0	153	50.1	23.4	7.33	3.50	3.14	3.22	3.26E	23
24	6.91	4.53	5.71	16.5	150	48.2	23.8	7.05	3.15	2.88	3.20A	3.53A	24
25	7.03	4.69	5.62	24.9	142	47.0	28.4	6.79	2.99	3.46	2.78A	3.25E	25
26	7.00	4.81	5.56	30.7	136	48.7	26.7	6.70	2.97	3.29	2.61A	2.97E	26
27	6.93	4.91	5.85	33.3	129	53.9	24.3	6.50	3.11	3.14	2.69E	2.69A	27
28	6.66	4.78	6.12	34.2	118	57.7	23.0	6.23	3.68	3.23	2.76A	2.64A	28
29	6.36		6.02	31.1	107	55.8	21.9	5.99	3.27	3.15	2.74E	2.69A	29
30	6.23		6.21	30.9	99.6	51.5	21.1	5.84	3.46	3.43	2.72A	2.97A	30
31	6.13		6.77		96.1		19.7	5.92		4.48		2.55A	31
TOTAL	312.70	132.56	160.28	350.11	2 283.1	1 783.7	1 044.7	315.03	127.59	96.99	90.58	91.73	TOTAL
MEAN	10.1	4.73	5.17	11.7	73.6	59.5	33.7	10.2	4.25	3.13	3.02	2.96	MEAN
MAX	18.3	7.04	6.77	34.2	153	91.8	54.1	18.3	6.09	4.48	3.66	3.74	MAX
MIN	6.13	3.81	4.22	5.30	30.2	47.0	19.7	5.84	2.97	2.63	2.61	2.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.6
MAXIMUM DAILY, 153 ON MAY 23
MINIMUM DAILY, 2.50A ON DEC 1
MAXIMUM INSTANTANEOUS,
157 AT 20:25 MST ON MAY 23

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 50 N
LONG 113 50 20 W
DRAINAGE AREA, 614 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	27 000	JUL	90 300
FEB	11 500	AUG	27 200
MAR	13 800	SEP	11 000
APR	30 200	OCT	8 380
MAY	197 000	NOV	7 830
JUN	154 000	DEC	7 930

TOTAL DISCHARGE, 586 000 dam³

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO. 05CC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	0.385	0.208	0.464	0.206	0.472	0.043	0.097	0.083	---	1
2	---	---	0.005B	0.298	0.198	0.450	0.229	0.358	0.075	0.098	0.089	---	2
3	---	---	0.005B	0.251	0.189	0.310	0.230	0.353	0.051	0.093	---	---	3
4	---	---	0.008B	0.195	0.195	0.273	0.214	0.329	0.041	0.090	---	---	4
5	---	---	0.016B	0.197	0.180	0.205	0.222	0.266	0.038	0.054	---	---	5
6	---	---	0.013B	0.218	0.860	0.159	0.225	0.261	0.036	0.041	---	---	6
7	---	---	0.005B	0.202	3.42	0.211	0.246	0.245	0.047	0.040	---	---	7
8	---	---	0.005B	0.177	2.71	0.136	0.281	0.230	0.045	0.047	---	---	8
9	---	---	0.005B	0.163	0.950	0.089	0.250	0.220	0.051	0.057	---	---	9
10	---	---	0.010B	0.130	0.772	0.086	0.240	0.210	0.071	0.055	---	---	10
11	---	---	0.073B	0.119	0.690	0.124	0.240	0.200	0.076	0.053	---	---	11
12	---	---	0.082B	0.093	0.536	0.114	0.250	0.180	0.075	0.052	---	---	12
13	---	---	0.108B	0.072	0.435	0.132	0.253	0.160	0.074	0.053	---	---	13
14	---	---	0.211B	0.090	0.377	0.142	0.357	0.150	0.080	0.055	---	---	14
15	---	---	0.425B	0.132	0.351	0.132	1.10	0.140	0.079	0.053	---	---	15
16	---	---	0.577B	0.175	0.328	0.126	0.552	0.130	0.083	0.057	---	---	16
17	---	---	0.400B	0.198	0.324	0.154	0.359	0.110	0.089	0.059	---	---	17
18	---	---	0.182B	0.195	0.301	0.145	0.250	0.100	0.097	0.056	---	---	18
19	---	---	0.157B	0.189	0.261	0.125	0.196	0.090	0.106	0.060	---	---	19
20	---	---	0.208B	0.211	0.248	0.138	0.198	0.080	0.131	0.061	---	---	20
21	---	---	0.151B	0.215	0.225	0.157	0.202	0.075	0.120	0.059	---	---	21
22	---	---	0.174B	0.205	0.237	0.131	0.231	0.070	0.115	0.061	---	---	22
23	---	---	0.149	0.227	0.206	0.126	0.371	0.060	0.118	0.067	---	---	23
24	---	---	0.281	0.223	0.211	0.163	0.416	0.055	0.119	0.078	---	---	24
25	---	---	0.623	0.407	0.192	0.164	0.344	0.055	0.114	0.084	---	---	25
26	---	---	0.730	0.318	0.173	0.171	0.237	0.047	0.106	0.091	---	---	26
27	---	---	0.774	0.249	0.163	0.203	0.227	0.047	0.113	0.091	---	---	27
28	---	---	0.634	0.230	0.246	0.215	0.354	0.037	0.112	0.088	---	---	28
29	---		0.570	0.242	0.263	0.198	0.812	0.044	0.103	0.089	---	---	29
30	---		0.499	0.225	0.200	0.193	1.55	0.059	0.091	0.081	---	---	30
31	---		0.449		0.197		1.05	0.054		0.084		---	31
TOTAL	---	---	7.534	6.231	15.846	5.436	11.892	4.887	2.499	2.104	---	---	TOTAL
MEAN	---	---	0.243	0.208	0.511	0.181	0.384	0.158	0.083	0.068	---	---	MEAN
MAX	---	---	0.774	0.407	3.42	0.464	1.55	0.472	0.131	0.098	---	---	MAX
MIN	---	---	0.005	0.072	0.163	0.086	0.196	0.037	0.036	0.040	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.230
MAXIMUM DAILY, 3.42 ON MAY 7
MINIMUM DAILY, 0.005B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.70 AT 09:58 MST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 13 N
LONG 114 35 59 W
DRAINAGE AREA, 53.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 030
FEB	---	AUG	422
MAR	651	SEP	216
APR	538	OCT	182
MAY	1 370	NOV	---
JUN	470	DEC	---

TOTAL DISCHARGE, 4 880 dam³

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.236B	0.098	0.008	0.278	0.012	0.088	0	0	0.009	---	1
2	---	---	0.186B	0.097	0.007	0.095	0.013	0.078	0	0	0.008	---	2
3	---	---	0.152B	0.095	0.009	0.069	0.011	0.069	0	0	0.008	---	3
4	---	---	0.134B	0.091	0.008	0.059	0.008	0.057	0	0.001	0.008	---	4
5	---	---	0.128B	0.085	0.010	0.052	0.005	0.049	0	0.004	0.008A	---	5
6	---	---	0.139B	0.078	0.125	0.038	0.004	0.036	0	0.005	---	---	6
7	---	---	0.139B	0.072	0.210A	0.030	0.006	0.028	0	0.010	---	---	7
8	---	---	0.147B	0.071	0.160E	0.028	0.011	0.022	0	0.012	---	---	8
9	---	---	0.142B	0.067	0.140E	0.024	0.010	0.017	0	0.012	---	---	9
10	---	---	0.148B	0.064	0.110E	0.021	0.009	0.013	0	0.012	---	---	10
11	---	---	0.152B	0.057	0.095E	0.022	0.008	0.011	0	0.011	---	---	11
12	---	---	0.159B	0.051	0.080E	0.023	0.005	0.010	0	0.011	---	---	12
13	---	---	0.150B	0.051	0.065E	0.038	0.004	0.009	0	0.011	---	---	13
14	---	---	0.181B	0.029	0.050E	0.078	0.006	0.007	0	0.011	---	---	14
15	---	---	0.198B	0.026	0.100E	0.044	0.020	0.007	0	0.011	---	---	15
16	---	---	0.175B	0.020	0.170E	0.027	0.037	0.007	0	0.010	---	---	16
17	---	---	0.157B	0.016	0.160E	0.024	0.110	0.010	0	0.010	---	---	17
18	---	---	0.138B	0.017	0.150E	0.026	0.034	0.010	0	0.010	---	---	18
19	---	---	0.119B	0.013	0.145E	0.022	0.017	0.008	0	0.009	---	---	19
20	---	0.840B	0.100B	0.011	0.140E	0.016	0.171	0.007	0	0.009	---	---	20
21	---	1.01 B	0.093B	0.014A	0.135E	0.013	0 984	0.006	0	0.009	---	---	21
22	---	0.730B	0.112B	0.013E	0.145E	0.013	0.046	0.005	0	0.010	---	---	22
23	---	0.463B	0.065	0.013E	0.125E	0.012	0.031	0.004	0	0.009	---	---	23
24	---	0.509B	0.066	0.012E	0.140E	0.011	0.029	0.004	0	0.011	---	---	24
25	---	0.544B	0.073	0.011E	0.137E	0.010	0.029	0.003	0	0.012	---	---	25
26	---	0.480B	0.089	0.011E	0.133E	0.009	0.023	0.003	0	0.011	---	---	26
27	---	0.335B	0.090	0.010A	0.130A	0.014	0.017	0.001	0	0.011	---	---	27
28	---	0.266B	0.081	0.009	0.122	0.029	0.013	0	0	0.010	---	---	28
29	---		0.094	0.008	0.102	0.017	0.016	0	0	0.010	---	---	29
30	---		0.112	0.008	0.091	0.011	0.022	0	0	0.009	---	---	30
31	---		0.107		0.106		0.077	0		0.009		---	31
TOTAL	---	---	4.062	1.218	3.308	1.153	0.888	0.569	0	0.270	---	---	TOTAL
MEAN	---	---	0.131	0.041	0.107	0.038	0.029	0.018	0	0.009	---	---	MEAN
MAX	---	---	0.236	0.098	0.210	0.278	0.171	0.088	0	0.012	---	---	MAX
MIN	---	---	0.065	0.008	0.007	0.009	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 0.278 ON JUN 1
MINIMUM DAILY, 0 ON AUG 28
MAXIMUM INSTANTANEOUS,
0.730 AT 00:50 MST ON JUN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 50 N
LONG 113 14 00 W
DRAINAGE AREA, 777 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	76.7
FEB	---	AUG	49.2
MAR	351	SEP	0
APR	105	OCT	23.3
MAY	286	NOV	---
JUN	99.6	DEC	---

TOTAL DISCHARGE, 991 dam³

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.140B	0.180B	0.140B	1.50B	13.7	7.90	1.77 E	1.14	0.029	0.054	0.101B	0.071B	1
2	0.120B	0.180B	0.145B	1.65B	13.7	11.1	1.83 E	0.909	0.025	0.057	0.098B	0.070B	2
3	0.110B	0.185B	0.160B	1.90B	13.2	10.4	1.92 E	0.862	0.042	0.060	0.097B	0.060B	3
4	0.120B	0.185B	0.160B	3.50B	12.2	9.19	1.58 E	0.774	0.072	0.060	0.163B	0.052B	4
5	0.130B	0.185B	0.150B	5.40B	11.1	7.97	1.22 E	0.565	0.088	0.063	0.144B	0.053B	5
6	0.130B	0.180B	0.140B	7.10B	10.2	6.86	0.880E	0.467	0.094	0.065	0.128B	0.051B	6
7	0.120B	0.170B	0.170B	7.30B	9.56	6.06	0.620A	0.353	0.088	0.068	0.097B	0.049B	7
8	0.120B	0.160B	0.260B	7.20B	9.27	5.44	0.612	0.261	0.081	0.091	0.096B	0.043B	8
9	0.120B	0.150B	0.370B	6.60B	9.50	5.00	0.559	0.211	0.081	0.090	0.190B	0.036B	9
10	0.120B	0.140B	0.460B	5.91B	9.58	4.56	0.476	0.178	0.069	0.097	0.122B	0.031B	10
11	0.120B	0.130B	0.580B	4.30B	11.0	4.18	0.378	0.134	0.056	0.097	0.103B	0.029B	11
12	0.120B	0.120B	0.680B	3.00B	11.4	3.85	0.324	0.106	0.057	0.113	0.101B	0.025B	12
13	0.120B	0.120B	0.780B	3.40B	10.3	3.74	0.280	0.082	0.057	0.114	0.075B	0.020B	13
14	0.120B	0.110B	0.890B	3.23B	8.99	3.46	0.350	0.075	0.052	0.138	0.106B	0.016B	14
15	0.120B	0.110B	1.00 B	3.20B	8.07	4.29	0.291	0.065	0.052	0.125	0.106B	0.012B	15
16	0.120B	0.120B	1.10 B	4.15B	7.48	4.51	0.240	0.050	0.047	0.134	0.100B	0.011B	16
17	0.120B	0.130B	1.20 B	4.76B	7.02	4.69	0.227	0.044	0.047	0.137	0.090B	0.014B	17
18	0.140B	0.140B	1.25 B	6.98B	6.76	5.18	0.346	0.038	0.051	0.144	0.090B	0.016B	18
19	0.160B	0.150B	1.21 B	8.96B	6.43	6.07	1.40	0.031	0.063	0.146	0.100B	0.018B	19
20	0.187B	0.160B	1.00 B	12.5	6.08	5.77	1.20	0.027	0.078	0.126B	0.095B	0.020B	20
21	0.200B	0.165B	0.720B	19.0	5.61	5.31	1.20	0.022	0.069	0.120B	0.092B	0.017B	21
22	0.210B	0.170B	0.420B	22.3	5.25	4.81	1.06	0.024	0.086	0.089B	0.075B	0.015B	22
23	0.210B	0.160B	0.340B	20.5	4.96	3.97	0.843	0.019	0.097	0.120B	0.063B	0.014B	23
24	0.210B	0.150B	0.360B	21.0	4.94	3.66	1.58	0.015	0.046	0.109B	0.065B	0.011B	24
25	0.200B	0.150B	0.384B	25.3	7.49	3.08	4.30	0.014	0.041	0.118B	0.071B	0.016B	25
26	0.190B	0.140B	0.430B	26.4	9.70	2.79	3.88	0.021	0.044	0.063B	0.067B	0.011B	26
27	0.180B	0.140B	0.500B	21.2	8.21	2.49	3.33	0.025	0.044	0.081B	0.062B	0.011B	27
28	0.180B	0.140B	0.600B	17.1	8.11	2.21	2.75	0.036	0.042	0.089B	0.059B	0.010B	28
29	0.170B		0.800B	16.1	7.51	2.10E	2.16	0.036	0.044	0.120B	0.068B	0.008B	29
30	0.170B		1.00 B	14.8	6.80	1.92E	1.74	0.030	0.048	0.122B	0.074B	0.007B	30
31	0.180B		1.30 B		6.72		1.44	0.038		0.144B		0.006B	31
TOTAL	4.657	4.220	18.699	306.24	270.84	152.16	40.746	6.652	1.790	3.154	2.898	0.835	TOTAL
MEAN	0.150	0.151	0.603	10.2	8.74	5.07	1.31	0.215	0.060	0.102	0.097	0.027	MEAN
MAX	0.210	0.185	1.30	26.4	13.7	11.1	4.30	1.14	0.097	0.146	0.190	0.073	MAX
MIN	0.110	0.110	0.140	1.50	4.94	1.92	0.227	0.014	0.025	0.054	0.059	0.006	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.23
MAXIMUM DAILY, 26.4 ON APR 26
MINIMUM DAILY, 0.006B ON DEC 31
MAXIMUM INSTANTANEOUS,
29.1 AT 20:00 MST ON APR 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 26 50 N
LONG 116 29 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	402	JUL	3 520
FEB	365	AUG	575
MAR	1 620	SEP	155
APR	26 500	OCT	273
MAY	23 400	NOV	250
JUN	13 100	DEC	72.1

TOTAL DISCHARGE, 70 200 dam³

WEST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0.005	0.003	0.001	0	0	0	0	1
2	0	0	0	0	0	0.004	0.003	0.001	0	0	0	0	2
3	0	0	0	0	0	0.004	0.002	0.001	0	0	0	0	3
4	0	0	0	0	0	0.004	0.002	0.001	0	0	0	0	4
5	0	0	0	0	0	0.004	0.002	0.001	0	0	0	0	5
6	0	0	0	0	0	0.003	0.002	0.001	0	0	0	0	6
7	0	0	0	0	0	0.003	0.002	0.001	0	0	0	0	7
8	0	0	0	0	0	0.003	0.002	0.001	0	0	0	0	8
9	0	0	0	0	0	0.003	0.002	0.001	0	0	0	0	9
10	0	0	0	0	0	0.003	0.002	0.001	0	0	0	0	10
11	0	0	0	0	0	0.003	0.002	0.001	0	0	0	0	11
12	0	0	0	0	0.001	0.003	0.001	0.001	0	0	0	0	12
13	0	0	0	0	0.001	0.003	0.001	0.001	0	0	0	0	13
14	0	0	0	0	0.001	0.003	0.001	0.001	0	0	0	0	14
15	0	0	0	0	0.001	0.004	0.001	0.001	0	0	0	0	15
16	0	0	0	0	0.001	0.004	0.001	0.001	0	0	0	0	16
17	0	0	0	0	0.001	0.004	0.001	0.001	0	0	0	0	17
18	0	0	0	0	0.001	0.004	0.001	0.001	0	0	0	0	18
19	0	0	0	0	0.004	0.004	0.001	0.001	0	0	0	0	19
20	0	0	0	0	0.009	0.004	0.001	0.001	0	0	0	0	20
21	0	0	0	0	0.009	0.004	0.001	0.001	0	0	0	0	21
22	0	0	0	0	0.009	0.004	0.001	0.001	0	0	0	0	22
23	0	0	0	0	0.009	0.004	0.001	0.001	0	0	0	0	23
24	0	0	0	0	0.009	0.004	0.001	0.001	0	0	0	0	24
25	0	0	0	0	0.008	0.004	0.001	0.001	0	0	0	0	25
26	0	0	0	0	0.007	0.004	0.001	0.001	0	0	0	0	26
27	0	0	0	0	0.006	0.003	0.001	0.001	0	0	0	0	27
28	0	0	0	0	0.006	0.003	0.001	0.001	0	0	0	0	28
29	0		0	0	0.006	0.003	0.001	0	0	0	0	0A	29
30	0		0	0	0.005	0.003	0.001	0	0	0	0	0E	30
31	0		0		0.005		0.001	0		0		0E	31
TOTAL	0	0	0	0	0.099	0.108	0.044	0.028	0	0	0	0	TOTAL
MEAN	0	0	0	0	0.003	0.004	0.001	0.001	0	0	0	0	MEAN
MAX	0	0	0	0	0.009	0.005	0.003	0.001	0	0	0	0	MAX
MIN	0	0	0	0	0	0.003	0.001	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.009 ON MAY 20
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.010 AT 09:15 MST ON MAY 23

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 20 N
LONG 114 04 04 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	3.80
FEB	0	AUG	2.42
MAR	0	SEP	0
APR	0	OCT	0
MAY	8.55	NOV	0
JUN	9.33	DEC	0

TOTAL DISCHARGE, 24.1 dam³

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0	3.16	4.16	6.14	4.81	5.81	5.01	0.215	---	1
2	---	---	---	0	3.14	4.15	6.42	4.82	5.74	4.65	0.217	---	2
3	---	---	---	0	3.23	3.95	6.37	4.87	5.77	4.20	0.212A	---	3
4	---	---	---	0	3.20	3.45	6.30	4.91	5.74	3.68	0.200E	---	4
5	---	---	---	0	3.19	3.35	6.18	4.91	5.74	3.20	0.200E	---	5
6	---	---	---	0	3.23	3.66	6.08	4.91	5.77	2.69	0.150E	---	6
7	---	---	---	0	3.23	3.69	6.07	4.90	5.71	2.11	0.150E	---	7
8	---	---	---	0	3.11	3.74	6.03	4.90	5.69	1.75	0.150E	---	8
9	---	---	---	0	2.97	3.68	5.94	4.93	5.71	1.54	0.100E	---	9
10	---	---	---	0	3.00	3.83	5.79	4.92	5.72	1.41	0.100E	---	10
11	---	---	---	0	3.02	3.96	5.72	4.94	5.67	1.26	0.100E	---	11
12	---	---	---	0	2.99	3.97	5.66	4.96	5.68	1.06	0.100E	---	12
13	---	---	---	0	2.99	3.93	5.59	4.97	5.63	0.965	0.050E	---	13
14	---	---	---	0	3.01	3.95	5.52	4.95	5.59	0.899	0.050E	---	14
15	---	---	---	0	3.01	3.96	5.39	4.97	5.57	0.784	0.050E	---	15
16	---	---	---	0	3.05	4.03	5.34	4.99	5.63	0.647	0.050E	---	16
17	---	---	---	0	2.98	4.06	5.13	4.96	5.58	0.634	0	---	17
18	---	---	---	0	2.90	4.06	5.04	5.00	5.59	0.563	0	---	18
19	---	---	---	0	2.94	4.05	4.92	5.03	5.58	0.390	0	---	19
20	---	---	---	0	2.59	4.25	4.87	5.06	5.55	0.321	0	---	20
21	---	---	---	0.078	2.39	4.52	4.83	5.15	5.49	0.302	0	---	21
22	---	---	---	0.262	2.36	4.54	4.72	5.20	5.47	0.260	0	---	22
23	---	---	---	0.288	2.39	4.75	4.66	5.25	5.42	0.230	0	---	23
24	---	---	---	0.324	2.37	5.18	4.65	5.30	5.38	0.233	0	---	24
25	---	---	0.002A	0.345	2.59	5.34	4.54	5.39	5.38	0.232	0	---	25
26	---	---	0	0.404	2.95	5.31	4.44	5.51	5.43	0.223	0	---	26
27	---	---	0	1.11	3.24	5.37	4.35	5.72	5.52	0.227	0	---	27
28	---	---	0	1.57	3.48	5.40	4.41	5.91	5.51	0.231	0	---	28
29	---		0	2.02	3.50	5.42	4.74	5.91	5.36	0.231	0	---	29
30	---		0	3.20	3.50	5.38	4.72	5.91	5.23	0.218	0	---	30
31	---		0		3.56		4.78	5.85		0.214		---	31
TOTAL	---	---	---	9.601	93.27	129.09	165.34	159.81	167.66	40.364	2.094	---	TOTAL
MEAN	---	---	---	0.320	3.01	4.30	5.33	5.16	5.59	1.30	0.070	---	MEAN
MAX	---	---	---	3.20	3.56	5.42	6.42	5.91	5.81	5.01	0.217	---	MAX
MIN	---	---	---	0	2.36	3.35	4.35	4.81	5.23	0.214	0	---	MIN

SUMMARY FOR THE MONTHS APR TO NOV

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.14
MAXIMUM DAILY, 6.42 ON JUL 2
MINIMUM DAILY, 0 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 41 N
LONG 113 49 02 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14 300
FEB	---	AUG	13 800
MAR	---	SEP	14 500
APR	830	OCT	3 490
MAY	8 060	NOV	181
JUN	11 200	DEC	---

TOTAL DISCHARGE, 66 400 dam³

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05EM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.468	12.4	12.1	14.9	9.01	10.0	1.77	0.100E	---	1
2	---	---	---	0.257	16.4	2.69	12.1	9.05	10.2	0.563	0.100E	---	2
3	---	---	---	0.211	15.1	2.94	12.8	8.41	10.1	0.394	0.100E	---	3
4	---	---	---	0.172	10.5	9.97	12.7	6.52	9.96	0.342	0.100E	---	4
5	---	---	---	0.151	10.4	11.3	14.4	7.34	10.6	0.338	0.100E	---	5
6	---	---	---	0.123	12.2	10.8	14.4	7.63	9.96	0.231	0.050E	---	6
7	---	---	---	0.124	9.62	9.31	13.9	7.91	10.0	0.354	0.050E	---	7
8	---	---	---	0.125	3.35	9.32	14.6	8.31	9.99	0.486	0.050E	---	8
9	---	---	---	0.124	6.91	9.98	11.9	8.90	9.64	0.705	0.050E	---	9
10	---	---	---	0.123	12.6	11.9	11.4	9.39	9.62	0.787	0.050E	---	10
11	---	---	---	0.123	10.3	11.6	10.4	10.2	9.86	0.677	0	---	11
12	---	---	---	0.124	9.57	11.1	11.8	10.6	10.1	0.570	0	---	12
13	---	---	---	0.127	9.32	11.9	14.2	11.1	9.98	0.465	0	---	13
14	---	---	---	0.130	8.29	8.74	12.0	10.1	10.7	0.430	0	---	14
15	---	---	---	0.130	8.77	11.6	11.1	9.22	10.5	0.427	0	---	15
16	---	---	---	0.129	8.17	13.0	7.43	10.1	10.1	0.413	0	---	16
17	---	---	---	1.17	1.96	9.73	7.44	8.31	9.73	0.371	0	---	17
18	---	---	---	3.17	6.37	8.72	8.90	7.27	9.72	0.360	0	---	18
19	---	---	---	3.14	8.56	8.55	10.3	8.98	9.73	0.271A	0	---	19
20	---	---	---	3.24	7.72	8.41	10.8	10.0	11.9	0.250E	0	---	20
21	---	---	---	3.32	5.17	8.56	7.36	9.83	10.4	0.250E	0	---	21
22	---	---	---	5.03	3.13	9.59	5.89	9.38	8.28	0.250E	0	---	22
23	---	---	---	5.96	2.79	9.42	7.22	10.6	7.53	0.250E	0	---	23
24	---	---	---	5.94	2.72	9.47	10.7	10.8	8.12	0.250E	0	---	24
25	---	---	---	5.92	3.31	11.8	7.69	10.4	10.6	0.250E	0	---	25
26	---	---	0.264	5.31	4.93	14.6	8.68	10.2	10.9	0.200E	0	---	26
27	---	---	0.453	3.52	5.87	14.3	8.86	10.0	10.7	0.200E	0	---	27
28	---	---	0.214	3.32	7.22	13.3	9.47	10.3	7.98	0.200E	0	---	28
29	---		0.190	3.54	7.21	13.1	13.3	9.98	6.76	0.200E	0	---	29
30	---		2.37	8.57	7.16	13.2	7.95	9.51	6.10	0.200E	0	---	30
31	---		1.00		9.65		6.90	9.43		0.200E		---	31
TOTAL	---	---	---	63.791	247.67	311.00	331.49	288.78	289.76	12.654	0.750	---	TOTAL
MEAN	---	---	---	2.13	7.99	10.4	10.7	9.32	9.66	0.408	0.025	---	MEAN
MAX	---	---	---	8.57	16.4	14.6	14.9	11.1	11.9	1.77	0.100	---	MAX
MIN	---	---	---	0.123	1.96	2.69	5.89	6.52	6.10	0.200	0	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.22
MAXIMUM DAILY, 16.4 ON MAY 2
MINIMUM DAILY, 0.123 ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 01 00 N
LONG 113 50 30 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1908

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28 600
FEB	---	AUG	25 000
MAR	---	SEP	25 000
APR	5 510	OCT	1 090
MAY	21 400	NOV	64.8
JUN	26 900	DEC	---

TOTAL DISCHARGE, 134 000 dam³

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	4.33E	48.2	33.5	50.8	29.8	8.07	---	---	1
2	---	---	---	---	4.40E	51.9	35.7	46.6	27.6	11.0	---	---	2
3	---	---	---	---	4.46E	51.0	43.9	44.8	22.7	8.65	---	---	3
4	---	---	---	---	4.56E	44.9	62.6	42.8	22.0	7.55	---	---	4
5	---	---	---	---	4.70E	38.6	64.5	42.8	22.8	7.02	---	---	5
6	---	---	---	---	4.90A	39.5	55.2	43.1	21.9	6.62	---	---	6
7	---	---	---	---	4.54	35.6	48.6	46.3	23.7	6.80	---	---	7
8	---	---	---	---	4.47	29.4	37.0	49.7	29.4	7.06	---	---	8
9	---	---	---	---	5.09	26.4	28.9	48.0	34.7	6.44	---	---	9
10	---	---	---	---	5.60	24.9	24.9	49.4	32.1	6.09	---	---	10
11	---	---	---	---	5.67	25.1	25.8	51.0	26.1	5.62	---	---	11
12	---	---	---	---	6.20	24.2	28.9	55.3	24.8	5.28	---	---	12
13	---	---	---	---	6.91	24.2	33.2	53.7	20.8	5.44	---	---	13
14	---	---	---	---	7.81	25.3	39.1	50.3	19.0	5.19	---	---	14
15	---	---	---	---	9.29	27.5	40.9	51.2	19.8	5.07	---	---	15
16	---	---	---	---	9.36	29.1	42.1	51.0	24.9	5.15	---	---	16
17	---	---	---	---	11.3	27.1	44.8	47.1	28.1	5.22	---	---	17
18	---	---	---	---	14.0	22.6	49.0	44.7	29.4	5.03	---	---	18
19	---	---	---	---	17.8	20.1	55.6	44.3	32.7	5.02	---	---	19
20	---	---	---	---	22.0	19.4	55.9	47.2	23.5	4.67	---	---	20
21	---	---	---	---	29.6	19.3	54.4	42.9	17.8	3.87A	---	---	21
22	---	---	---	---	38.1	17.9	58.6	39.9	15.0	3.60E	---	---	22
23	---	---	---	---	42.8	17.3	56.8	40.1	13.4	3.40E	---	---	23
24	---	---	---	---	45.6	17.7	57.1	41.5	12.2	3.30E	---	---	24
25	---	---	---	---	51.9	18.7	53.6	42.9	11.1	3.26E	---	---	25
26	---	---	---	---	60.3	27.9	49.4	46.5	10.1	3.25E	---	---	26
27	---	---	---	---	53.9	31.4	50.9	45.4	9.38	3.24E	---	---	27
28	---	---	---	---	39.7	27.4	55.5	37.6	8.91	3.23E	---	---	28
29	---		---	---	33.7	26.2	56.8	37.0	8.46	3.21E	---	---	29
30	---		---	---	38.7	31.2	58.1	33.2	7.84	3.20E	---	---	30
31	---		---		45.1		54.8	28.2		3.18E		---	31
TOTAL	---	---	---	---	636.79	866.0	1 456.1	1 395.3	629.97	183.73	---	---	TOTAL
MEAN	---	---	---	---	20.5	28.9	47.0	45.0	21.0	5.28	---	---	MEAN
MAX	---	---	---	---	60.3	51.9	64.5	55.3	34.7	11.0	---	---	MAX
MIN	---	---	---	---	4.33	17.3	24.9	28.2	7.84	3.18	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.0
MAXIMUM DAILY, 64.5 ON JUL 5
MINIMUM DAILY, 3.18E ON OCT 31
MAXIMUM INSTANTANEOUS,
68.9 AT 06:50 MST ON JUL 5

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 43 29 N
LONG 117 55 29 W
DRAINAGE AREA, 598 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	126 000
FEB	---	AUG	121 000
MAR	---	SEP	54 400
APR	---	OCT	14 100
MAY	55 000	NOV	---
JUN	74 800	DEC	---

TOTAL DISCHARGE, 445 000 dam³

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.002	0.093	0.007	0.036	0.006	0.003	0.005	---	1
2	---	---	---	---	0.001	0.068	0.007	0.032	0.016	0.003	0.005	---	2
3	---	---	---	---	0.001	0.060	0.007	0.029	0.011	0.003	0.004	---	3
4	---	---	---	---	0.001	0.053	0.006	0.027	0.009	0.003	0.004	---	4
5	---	---	---	---	0.001	0.046	0.006	0.024	0.009	0.003	0.004	---	5
6	---	---	---	---	0.001	0.041	0.006	0.021	0.007	0.003	0.004	---	6
7	---	---	---	---	0.003	0.037	0.006	0.018	0.006	0.003	0.004	---	7
8	---	---	---	---	0.010	0.034	0.006	0.016	0.005	0.003	0.004	---	8
9	---	---	---	---	0.022	0.033	0.006	0.013	0.005	0.003	0.004	---	9
10	---	---	---	---	0.028	0.031	0.006	0.010	0.005	0.003	0.004	---	10
11	---	---	---	---	0.024	0.034	0.005	0.009	0.004	0.003	0.004	---	11
12	---	---	---	---	0.021	0.032	0.005	0.008	0.004	0.003	0.004	---	12
13	---	---	---	---	0.018	0.031	0.005	0.008	0.004	0.003	0.004	---	13
14	---	---	---	---	0.018	0.029	0.005	0.008	0.004	0.003	0.004	---	14
15	---	---	---	---	0.028	0.026	0.006	0.007	0.004	0.003	0.004	---	15
16	---	---	---	---	0.025	0.025	0.006	0.007	0.004	0.003	0.004	---	16
17	---	---	---	---	0.023	0.023	0.005	0.007	0.003	0.003	0.004	---	17
18	---	---	---	---	0.020	0.022	0.005	0.007	0.003	0.003	0.004	---	18
19	---	---	---	---	0.019	0.020	0.009	0.006	0.004	0.003	0.004	---	19
20	---	---	---	---	0.020	0.019	0.021	0.006	0.004	0.003	0.004	---	20
21	---	---	---	---	0.080	0.018	0.031	0.006	0.004	0.003	0.004	---	21
22	---	---	---	0.002A	0.125	0.016	0.065	0.005	0.004	0.002	0.004	---	22
23	---	---	---	0.002B	0.129	0.014	0.094	0.005	0.004	0.002	---	---	23
24	---	---	---	0.002B	0.089	0.011	0.062	0.005	0.004	0.003	---	---	24
25	---	---	---	0.002	0.068	0.009	0.044	0.005	0.004	0.003	---	---	25
26	---	---	---	0.001	0.059	0.009	0.037	0.005	0.004	0.003	---	---	26
27	---	---	---	0.001	0.052	0.009	0.033	0.004	0.004	0.003	---	---	27
28	---	---	---	0.001	0.051	0.008	0.033	0.004	0.004	0.003	---	---	28
29	---		---	0.001	0.043	0.008	0.034	0.006	0.003	0.003	---	---	29
30	---		---	0.001	0.043	0.008	0.036	0.009	0.003	0.003	---	---	30
31	---		---		0.086		0.035	0.006		0.003		---	31
TOTAL	---	---	---	---	1.111	0.867	0.639	0.359	0.155	0.091	---	---	TOTAL
MEAN	---	---	---	---	0.036	0.029	0.021	0.012	0.005	0.003	---	---	MEAN
MAX	---	---	---	---	0.129	0.093	0.094	0.036	0.016	0.003	---	---	MAX
MIN	---	---	---	---	0.001	0.008	0.005	0.004	0.003	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.129 ON MAY 23
MINIMUM DAILY, 0.001 ON MAY 2
MAXIMUM INSTANTANEOUS,
0.252 AT 18:50 MST ON MAY 22

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 22 50 N
LONG 117 32 15 W
DRAINAGE AREA, 3.37 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	55.2
FEB	---	AUG	31.0
MAR	---	SEP	13.4
APR	---	OCT	7.86
MAY	96.0	NOV	---
JUN	74.9	DEC	---

TOTAL DISCHARGE, 278 dam³

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.050B	0.001	0.001	0	0.901	0	0	---	---	1
2	---	---	0.003B	0.048B	0.001	0.001	0	0.531	0	0	---	---	2
3	---	---	0.005B	0.046B	0.001	0.001	0	0.263	0	0	---	---	3
4	---	---	0.002B	0.044B	0	0.001	0	0.121	0	0	---	---	4
5	---	---	0 B	0.040	0	0.001	0	0.046	0	0	---	---	5
6	---	---	0 B	0.021	0	0.001	0	0.022	0	0	---	---	6
7	---	---	0 B	0.015	0.001	0	0	0.012	0	0	---	---	7
8	---	---	0 B	0.014	0.001	0	0	0.006	0	0	---	---	8
9	---	---	0.010B	0.010	0.003	0	0	0.003	0	0	---	---	9
10	---	---	0.080B	0.008	0.002	0	0	0.001	0	0	---	---	10
11	---	---	0.200B	0.006	0.008	0	0	0.001	0	0	---	---	11
12	---	---	0.400B	0.006	0.007	0	0	0.001	0	0	---	---	12
13	---	---	0.600B	0.006	0.002	0	0	0	0	0	---	---	13
14	---	---	1.00 B	0.006	0.001	0	0.001	0	0	0	---	---	14
15	---	---	1.00 B	0.006	0	0	0.003	0	0	0	---	---	15
16	---	---	0.800B	0.014	0.002	0	0.002	0	0	0	---	---	16
17	---	---	0.600B	0.010	0.003	0	0.001	0	0	0	---	---	17
18	---	---	0.400B	0.007	0.001	0	0.001	0	0	0	---	---	18
19	---	---	0.200B	0.008	0.005	0	0.001	0	0	0	---	---	19
20	---	---	0.100B	0.005	0.003	0	0	0	0	0	---	---	20
21	---	---	0.050B	0.006	0.002	0	0	0	0	0	---	---	21
22	---	---	0.025B	0.004	0.001	0	0	0	0	0	---	---	22
23	---	---	0.030B	0.003	0.001	0	0	0	0	0	---	---	23
24	---	---	0.072B	0.003	0.006	0	0	0	0	0	---	---	24
25	---	---	0.090B	0.004	0.001	0	0	0	0	0	---	---	25
26	---	---	0.100B	0.003	0.001	0	0	0	0	0	---	---	26
27	---	---	0.095B	0.004	0	0	0	0	0	0	---	---	27
28	---	---	0.090B	0.005	0.001	0	0	0	0	0	---	---	28
29	---		0.086B	0.003	0.001	0	0.001	0	0	0	---	---	29
30	---		0.070B	0.002	0	0	0.172	0	0	0	---	---	30
31	---		0.052B		0		0.981	0		0		---	31
TOTAL	---	---	6.161	0.407	0.052	0.006	1.163	1.908	0	0	---	---	TOTAL
MEAN	---	---	0.199	0.014	0.002	0	0.038	0.062	0	0	---	---	MEAN
MAX	---	---	1.00	0.050	0.007	0.001	0.981	0.901	0	0	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.040
MAXIMUM DAILY, 1.00B ON MAR 14
MINIMUM DAILY, 0B ON MAR 5
MAXIMUM INSTANTANEOUS,
1.72 AT 09:00 MST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 20 N
LONG 113 41 23 W
DRAINAGE AREA, 63.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	100
FEB	---	AUG	165
MAR	532	SEP	0
APR	35.2	OCT	0
MAY	4.49	NOV	---
JUN	0.52	DEC	---

TOTAL DISCHARGE, 837 dam³

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.115B	0.552B	0.042	0.250	0	1.73	0.002	0.007	---	---	1
2	---	---	0.125B	0.556B	0.050	0.281	0.001	2.00	0.001	0.003	---	---	2
3	---	---	0.125B	0.515B	0.042	0.283	0.001	1.46	0.001	0.002	---	---	3
4	---	---	0.115B	0.540	0.061	0.308	0	0.857	0.001	0.002	---	---	4
5	---	---	0.115B	0.482	0.102	0.270	0	0.568	0.002	0.004	---	---	5
6	---	---	0.115B	0.396	0.157	0.223	0	0.342	0.001	0.002	---	---	6
7	---	---	0.115B	0.367	0.211	0.133	0.006	0.242	0.001	0.002	---	---	7
8	---	---	0.120B	0.272	0.226	0.058	0.005	0.168	0	0.012	---	---	8
9	---	---	0.125B	0.276	0.233	0.030	0.223	0.099	0	0.060	---	---	9
10	---	---	0.130B	0.256	0.189	0.050	0.430	0.055	0	0.054	---	---	10
11	---	---	0.135B	0.208	0.178	0.049	0.243	0.040	0.001	0.055	---	---	11
12	---	---	0.140B	0.224	0.171	0.027	0.096	0.047	0.001	0.053	---	---	12
13	---	---	7.64 B	0.215	0.147	0.014	0.028	0.045	0.001	0.020	---	---	13
14	---	---	8.57 B	0.204	0.138	0.003	0.078	0.039	0.001	0.020	---	---	14
15	---	---	10.5 B	0.191	0.131	0.005	0.455	0.033	0.001	0.014	---	---	15
16	---	---	11.2 B	0.175	0.117	0.048	0.583	0.025	0.001	0.010	---	---	16
17	---	---	9.32 B	0.154	0.148	0.035	0.733	0.018	0	0.009	---	---	17
18	---	---	6.85 B	0.140	0.177	0.009	0.449	0.010	0.001	0.036	---	---	18
19	---	---	5.71 B	0.174	0.178	0.015	0.225	0.008	0.001	0.006	---	---	19
20	---	---	5.00 B	0.168	0.114	0.051	0.091	0.009	0.007	0.001	---	---	20
21	---	---	4.00 B	0.115	0.074	0.054	0.051	0.010	0.003	0.001	---	---	21
22	---	---	3.00 B	0.104	0.026	0.020	0.073	0.009	0.013	0.002	---	---	22
23	---	---	2.00 B	0.139	0.013	0.010	0.032	0.008	0.008	0.004	---	---	23
24	---	---	0.921B	0.134	0.021	0.051	0.003	0.007	0.007	0.002	---	---	24
25	---	---	1.44 B	0.112	0.015	0.011	0.001	0.006	0.007	0.004	---	---	25
26	---	---	1.53 B	0.104	0.034	0.005	0.003	0.005	0.043	0.002	---	---	26
27	---	---	2.13 B	0.080	0.071	0.002	0.002	0.004	0.015	0.005	---	---	27
28	---	---	1.93 B	0.048	0.068	0.001	0.043	0.004	0.004	0.009A	---	---	28
29	---		1.66 B	0.023	0.042	0	0.075	0.003	0.003	0.008E	---	---	29
30	---		1.30 B	0.040	0.015	0	0.454	0.009	0.002	0.007E	---	---	30
31	---		1.03 B		0.100		0.772	0.007		0.006E		---	31
TOTAL	---	---	87.206	6.964	3.289	2.296	5.156	7.847	0.129	0.415	---	---	TOTAL
MEAN	---	---	2.81	0.232	0.106	0.077	0.166	0.253	0.004	0.013	---	---	MEAN
MAX	---	---	11.2	0.556	0.233	0.308	0.772	2.00	0.043	0.060	---	---	MAX
MIN	---	---	0.115	0.023	0.013	0	0	0.003	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.462
MAXIMUM DAILY, 11.2B ON MAR 16
MINIMUM DAILY, 0 ON JUN 29
MAXIMUM INSTANTANEOUS,
12.9 AT 22:30 MST ON MAR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 24 44 N
LONG 113 35 30 W
DRAINAGE AREA, 332 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	445
FEB	---	AUG	678
MAR	7 530	SEP	11.1
APR	602	OCT	35.9
MAY	284	NOV	---
JUN	198	DEC	---

TOTAL DISCHARGE, 9 780 dam³

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.001B	0.001B	0.150B	2.96 B	27.7	7.13	8.15	1.09	0.053	0.014	0.198B	0.098B	1
2	0.001B	0.001B	0.260B	4.10 B	33.4	8.01	7.39	1.02	0.044	0.010	0.207B	0.095B	2
3	0.001B	0.001B	0.350B	2.85 B	37.7	7.49	6.64	1.00	0.044	0.008	0.202B	0.097B	3
4	0.002B	0.001B	0.380B	2.44 B	40.1	6.91	5.95	0.940	0.049	0.007	0.187B	0.096B	4
5	0.004B	0.001B	0.400B	2.85 B	38.5	6.16	5.22	0.889	0.055	0.007	0.207B	0.097B	5
6	0.002B	0.001B	0.370B	4.31 B	34.9	5.57	4.64	0.858	0.062	0.006	0.303B	0.098B	6
7	0.001B	0.001B	0.350B	5.21 B	31.3	4.98	4.15	0.879	0.055	0.006	0.278B	0.099B	7
8	0.001B	0.001B	0.395B	5.63 B	28.0	4.55	3.61	0.900	0.047	0.009	0.245B	0.100B	8
9	0.001B	0.001B	0.450B	4.84 B	26.1	4.21	3.20	0.865	0.039	0.020	0.233B	0.100B	9
10	0.001B	0.001B	0.550B	3.67 B	24.9	3.87	2.79	0.784	0.027	0.177	0.211B	0.101B	10
11	0.001B	0.001B	0.600B	2.89 B	22.7	3.84	2.43	0.723	0.021	0.211	0.200B	0.102B	11
12	0.001B	0.001B	0.640B	2.49 B	20.4	3.69	2.13	0.657	0.014	0.107	0.222B	0.103B	12
13	0.001B	0.002B	0.670B	1.72 B	17.9	3.55	1.87	0.606	0.014	0.121	0.208B	0.103B	13
14	0.001B	0.004B	0.690B	1.30 B	15.4	3.38	1.82	0.562	0.017	0.305	0.199B	0.104B	14
15	0.001B	0.010B	0.700B	1.09 B	13.5	3.21	1.65	0.534	0.013	0.536	0.181B	0.103B	15
16	0.001B	0.040B	0.695B	1.00 B	12.4	3.29	1.44	0.505	0.008	0.326	0.176B	0.102B	16
17	0.001B	0.070B	0.680B	0.850B	11.4	3.97	1.51	0.472	0.005	0.215	0.176B	0.101B	17
18	0.001B	0.090B	0.620B	0.709B	10.4	5.14	1.36	0.443	0.004	0.209	0.178B	0.100B	18
19	0.002B	0.095B	0.550B	0.644B	9.44	7.71	1.20	0.400	0.005	0.193	0.177B	0.099B	19
20	0.005B	0.100B	0.500B	0.868B	8.97	10.8	1.13	0.349	0.010	0.172	0.177B	0.098B	20
21	0.003B	0.105B	0.400B	2.32 B	8.42A	12.7	1.12	0.320	0.011	0.139	0.171B	0.097B	21
22	0.002B	0.105B	0.470B	5.44 B	7.91E	12.2	1.16	0.249	0.017	0.119B	0.163B	0.096B	22
23	0.001B	0.100B	0.530B	9.55 B	7.73E	11.1	1.26	0.186	0.025	0.197B	0.157B	0.095B	23
24	0.001B	0.100B	0.593B	11.1 B	8.46E	10.9	1.56	0.156	0.023	0.217B	0.147B	0.094B	24
25	0.001B	0.097B	0.554B	13.2 B	8.21A	11.4	1.52	0.143	0.020	0.225B	0.136B	0.093B	25
26	0.001B	0.095B	0.515B	21.3	7.72	11.4	1.51	0.142	0.017	0.220B	0.124B	0.092B	26
27	0.001B	0.092B	0.476B	26.1	7.32	11.1	1.44	0.130	0.016	0.229B	0.122B	0.091B	27
28	0.001B	0.090B	0.827B	25.2	7.18	10.0	1.28	0.097	0.014	0.212B	0.110B	0.090B	28
29	0.001B		1.18 B	21.5	6.60	9.20	1.19	0.075	0.013	0.200B	0.105B	0.089B	29
30	0.001B		1.80 B	23.4	6.28	8.67	1.25	0.064	0.012	0.202B	0.105B	0.088B	30
31	0.001B		2.25 B		6.33		1.26	0.056		0.203B		0.087B	31
TOTAL	0.044	1.207	19.595	211.531	547.27	216.13	82.83	16.094	0.754	4.822	5.505	3.008	TOTAL
MEAN	0.001	0.043	0.632	7.05	17.7	7.20	2.67	0.519	0.025	0.156	0.184	0.097	MEAN
MAX	0.005	0.105	2.25	26.1	40.1	12.7	8.15	1.09	0.062	0.536	0.303	0.104	MAX
MIN	0.001	0.001	0.150	0.644	6.28	3.21	1.12	0.056	0.004	0.006	0.105	0.087	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.04
MAXIMUM DAILY, 40.1 ON MAY 4
MINIMUM DAILY, 0.001B ON JAN 1
MAXIMUM INSTANTANEOUS,
40.5 AT 14:30 MST ON MAY 4

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 30 40 N
LONG 117 39 32 W
DRAINAGE AREA, 2 020 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3.80	JUL	7 160
FEB	104	AUG	1 390
MAR	1 690	SEP	65.1
APR	18 300	OCT	417
MAY	47 300	NOV	476
JUN	18 700	DEC	260

TOTAL DISCHARGE, 95 900 dam³

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	4.02	16.6	8.08	15.3	6.28	4.45	3.28	---	1
2	---	---	---	---	5.13	16.1	7.89	14.7	6.51	4.41	3.27	---	2
3	---	---	---	---	4.99	15.6	7.75	13.9	6.44	4.38	3.19A	---	3
4	---	---	---	---	4.54	14.7	7.90	13.4	6.34	4.20	---	---	4
5	---	---	---	---	4.26	13.6	7.97	12.8	6.56	4.05	---	---	5
6	---	---	---	---	4.18	12.9	7.81	12.3	6.51	3.94	---	---	6
7	---	---	---	---	4.29	12.4	7.79	11.6	6.10	3.92	---	---	7
8	---	---	---	---	5.10	11.9	7.47	11.1	5.88	3.89	---	---	8
9	---	---	---	---	5.96	11.5	6.87	10.7	5.69	3.87	---	---	9
10	---	---	---	---	7.11	11.4	6.47	10.2	5.62	3.87	---	---	10
11	---	---	---	---	6.40	12.2	6.16	9.63	5.34	3.92	---	---	11
12	---	---	---	---	6.29	12.7	5.97	9.14	5.15	3.81	---	---	12
13	---	---	---	---	6.27	12.0	5.88	8.74	5.04	3.69	---	---	13
14	---	---	---	---	6.70	11.9	6.46	8.45	5.08	3.66	---	---	14
15	---	---	---	---	9.71	12.2	6.80	8.15	4.95	3.68	---	---	15
16	---	---	---	---	9.68	11.8	6.84	7.85	4.79	3.77	---	---	16
17	---	---	---	---	9.66	11.4	6.69	7.67	4.68	3.57	---	---	17
18	---	---	---	---	9.69	11.0	6.56	7.50	4.59	3.46	---	---	18
19	---	---	---	---	10.7	10.6	6.51	7.20	4.86	3.44	---	---	19
20	---	---	---	---	12.0	10.4	7.63	6.93	4.85	3.33	---	---	20
21	---	---	---	---	15.1	10.2	11.3	6.98	4.84	3.21	---	---	21
22	---	---	---	2.46A	20.6	9.62	12.5	6 67	4.72	3.08	---	---	22
23	---	---	---	2.87	23.4	9.29	12.8	6.40	4.91	3.12	---	---	23
24	---	---	---	4.54	20.9	8.77	12.7	6.13	4.95	3.19	---	---	24
25	---	---	---	5.10	20.1	8.35	12.0	5.91	5.01	3.26	---	---	25
26	---	---	---	4.50	21.9	8.20	11.2	5.78	4.84	3.24	---	---	26
27	---	---	---	3.91	20.8	8.27	10.6	6.12	4.66	3.11	---	---	27
28	---	---	---	3.62	18.1	8.20	11.2	6.03	4.51	3.12	---	---	28
29	---		---	3.39	16.1	8.18	13.1	6.21	4.38	3.17	---	---	29
30	---		---	3.34	15.7	7.96	14.9	6.66	4.33	2.92	---	---	30
31	---		---		16.6		14.8	6.32		3.10		---	31
TOTAL	---	---	---	---	345.98	339.94	278.60	276.47	158.41	111.83	---	---	TOTAL
MEAN	---	---	---	---	11.2	11.3	8.99	8.92	5.28	3.61	---	---	MEAN
MAX	---	---	---	---	23.4	16.6	14.9	15.3	6.56	4.45	---	---	MAX
MIN	---	---	---	---	4.02	7.96	5.88	5.78	4.33	2.92	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.21
MAXIMUM DAILY, 23.4 ON MAY 23
MINIMUM DAILY, 2.92 ON OCT 30
MAXIMUM INSTANTANEOUS,
26.0 AT 06:30 MST ON MAY 23

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 24 N
LONG 117 56 49 W
DRAINAGE AREA, 958 km²
A - MANUAL GAUGE

NATURAL FLOW

REMARKS - THE MINIMUM DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	24 100
FEB	---	AUG	23 900
MAR	---	SEP	13 700
APR	---	OCT	9 660
MAY	29 900	NOV	---
JUN	29 400	DEC	---

TOTAL DISCHARGE, 131 000 dam³

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.370B	0.184B	0.169B	0.560B	0.459	7.75	1.87	1.09 E	0.291	0.153	0.164	0.130B	1
2	0.350B	0.178B	0.168B	0.510B	0.505	6.27	1.79	1.04 E	0.254	0.143	0.162	0.140B	2
3	0.330B	0.172B	0.167B	0.470B	0.500	4.99	1.70 A	1.09 E	0.279	0.141	0.159	0.130B	3
4	0.320B	0.169B	0.167B	0.430B	0.528	4.16	1.52 E	1.20 E	0.280	0.149	0.151	0.114B	4
5	0.310B	0.166B	0.169B	0.400B	1.49	3.49	1.40 E	1.29 E	0.264	0.149	0.148	0.097B	5
6	0.290B	0.162B	0.173B	0.380B	1.97	3.11	1.29 E	1.02 E	0.246	0.147	0.154	0.082B	6
7	0.280B	0.160B	0.178B	0.360B	2.24	2.76	1.19 E	0.880E	0.218	0.147	0.155	0.070B	7
8	0.270B	0.158B	0.184B	0.345B	3.63	2.57	1.10 E	0.960E	0.187	0.147	0.159	0.057B	8
9	0.260B	0.157B	0.189B	0.336B	3.48	2.37	1.01 E	0.860E	0.169	0.143	0.154	0.051B	9
10	0.252B	0.156B	0.200B	0.330B	3.57	2.18	1.05 E	0.770E	0.153	0.139	0.157	0.046B	10
11	0.245B	0.160B	0.220B	0.325B	3.01	1.97	1.11 E	0.690E	0.152	0.137	0.150	0.041B	11
12	0.238B	0.168B	0.350B	0.320B	2.74	1.87	0.990E	0.620E	0.127	0.141	0.145	0.038B	12
13	0.230B	0.180B	0.540B	0.318B	2.65	11.9	1.18 E	0.652A	0.124	0.147	0.142	0.035B	13
14	0.222B	0.220B	0.560B	0.316B	2.89	14.1	1.25 E	0.684	0.129	0.154	0.145	0.033B	14
15	0.217B	0.270B	0.540B	0.319	6.34	10.1	1.07 E	0.689	0.130	0.162	0.146	0.031B	15
16	0.211B	0.305B	0.490B	0.380	6.73	8.68	1.07 E	0.592	0.130	0.166	0.142B	0.029B	16
17	0.205B	0.292B	0.425B	0.425	6.73	7.36	1.22 E	0.722	0.129	0.167	0.138B	0.030B	17
18	0.201B	0.265B	0.380B	0.450B	13.0	5.99	1.02 E	0.600	0.120	0.168	0.132B	0.031B	18
19	0.196B	0.245B	0.350B	0.463	16.7	4.73	1.06 E	0.526	0.113	0.168	0.138B	0.036B	19
20	0.199B	0.230B	0.328B	0.452	31.5	3.80	1.04 E	0.452	0.133	0.170	0.147B	0.040B	20
21	0.205B	0.215B	0.320B	0.544	29.2	3.25	1.28 E	0.403	0.139	0.200	0.156B	0.040B	21
22	0.250B	0.207B	0.320B	0.571	27.5	3.07	1.68 E	0.384	0.129	0.203	0.145B	0.034B	22
23	0.280B	0.199B	0.325B	0.552	23.6	2.66	1.62 E	0.362	0.167	0.208	0.134B	0.028B	23
24	0.270B	0.191B	0.335B	0.595	20.3	2.29	1.64 E	0.371	0.172	0.208	0.120B	0.024B	24
25	0.255B	0.184B	0.345B	0.586	17.1	2.02	2.80 E	0.322	0.171	0.207	0.110B	0.021B	25
26	0.240B	0.180B	0.355B	0.536	16.2	1.85	2.30 E	0.304	0.169	0.204	0.104B	0.016B	26
27	0.230B	0.175B	0.370B	0.503	11.2	3.57	1.70 E	0.291	0.168	0.203	0.101B	0.012B	27
28	0.220B	0.171B	0.395B	0.483	8.61	3.05	1.48 E	0.263	0.168	0.196	0.103B	0.008B	28
29	0.210B		0.420B	0.470	6.64	2.09	1.34 E	0.263	0.169	0.183	0.109B	0.006B	29
30	0.200B		0.480B	0.464	5.36	1.84	1.22 E	0.269	0.166	0.172	0.117B	0.004B	30
31	0.192B		0.612B		4.51		1.16 E	0.316		0.164		0.002B	31
TOTAL	7.750	5.519	10.224	13.193	280.882	135.84	43.150	19.955	5.246	5.186	4.187	1.456	TOTAL
MEAN	0.250	0.197	0.330	0.440	9.06	4.53	1.39	0.644	0.175	0.167	0.140	0.047	MEAN
MAX	0.370	0.305	0.612	0.595	31.5	14.1	2.80	1.29	0.291	0.208	0.164	0.140	MAX
MIN	0.192	0.156	0.167	0.316	0.459	1.84	0.990	0.263	0.113	0.137	0.101	0.002	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.46
MAXIMUM DAILY, 31.5 ON MAY 20
MINIMUM DAILY, 0.002B ON DEC 31
MAXIMUM INSTANTANEOUS,
48.6 AT 00:20 MST ON MAY 20

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 47 N
LONG 114 12 46 W
DRAINAGE AREA, 163 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	670	JUL	3 730
FEB	477	AUG	1 720
MAR	883	SEP	453
APR	1 140	OCT	448
MAY	24 300	NOV	362
JUN	11 700	DEC	126

TOTAL DISCHARGE, 46 000 dam³

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.680B	1.45 B	0.914	15.6	6.01	3.08	0.890	0.636	---	---	1
2	---	---	0.685B	1.24 B	0.923	16.0	5.59	2.93	0.829	0.612	---	---	2
3	---	---	0.691B	1.14	0.915	12.9	4.71	3.01	0.887	0.625	---	---	3
4	---	---	0.697B	1.04	0.912	11.1	4.13	3.25	0.886	0.629	---	---	4
5	---	---	0.698B	1.03	1.99	9.60	3.81	3.60	0.858	0.616	---	---	5
6	---	---	0.700B	1.02	3.34	8.48	3.55	2.90	0.831	0.640	---	---	6
7	---	---	0.703B	0.994	3.88	7.54	3.31	2.52	0.784	0.632	---	---	7
8	---	---	0.705B	0.948	7.61	6.95	3.09	2.73	0.739	0.647	---	---	8
9	---	---	0.707B	0.917	5.95	6.51	2.82	2.56	0.705	0.635	---	---	9
10	---	---	0.730B	0.894	4.17	6.09	2.89	2.24	0.667	0.629	---	---	10
11	---	---	0.760B	0.883	3.71	5.48	3.11	2.06	0.644	0.645	---	---	11
12	---	---	0.790B	0.880	3.86	5.17	2.72	1.86	0.636	0.688	---	---	12
13	---	---	0.840B	0.848	4.26	16.0	3.23	1.95	0.628	0.710	---	---	13
14	---	---	0.920B	0.859	4.76	48.2	3.46	2.04	0.639	0.736	---	---	14
15	---	---	1.00 B	0.859	7.67	27.1	2.96	1.95	0.636	0.712	---	---	15
16	---	---	1.04 B	0.910	13.1	21.8	2.96	1.80	0.617	0.691	---	---	16
17	---	---	1.00 B	0.998	13.7	18.6	3.44	2.03	0.620	0.663	---	---	17
18	---	---	0.970B	0.965	25.3	16.1	2.87	1.97	0.613	0.652	---	---	18
19	---	---	0.920B	0.959	32.9	13.2	2.99	1.66	0.601	0.667	---	---	19
20	---	---	0.880B	0.983	48.1	11.2	2.94	1.51	0.651	0.688	---	---	20
21	---	---	0.870B	1.08	51.0	9.69	3.46	1.39	0.639	0.648B	---	---	21
22	---	---	0.900B	1.16	51.2	8.48	4.57	1.33	0.626	0.649B	---	---	22
23	---	---	1.20 B	1.07	50.8	7.67	4.43	1.24	0.623	0.680B	---	---	23
24	---	---	1.40 B	1.14	41.8	6.98	4.49	1.14	0.626	0.699	---	---	24
25	---	---	1.60 B	1.17	36.2	6.25	8.88	1.09	0.633	0.713	---	---	25
26	---	---	1.90 B	1.08	33.4	5.68	6.29	1.04	0.684	0.754	---	---	26
27	---	---	2.23 B	1.00	27.0	7.41	4.69	0.989	0.701	0.722	---	---	27
28	---	---	1.94 B	0.964	21.7	9.45	3.93	0.937	0.699	0.716A	---	---	28
29	---		1.72 B	0.950	17.9	7.04	3.72	0.903	0.679	0.693E	---	---	29
30	---		1.55 B	0.926	14.9	5.97	3.43	0.900	0.653	0.685E	---	---	30
31	---		1.44 B		12.9		3.23	0.923		0.680E		---	31
TOTAL	---	---	32.866	30.357	546.764	358.24	121.71	59.532	20.924	20.792	---	---	TOTAL
MEAN	---	---	1.06	1.01	17.6	11.9	3.93	1.92	0.697	0.671	---	---	MEAN
MAX	---	---	2.23	1.45	51.2	48.2	8.88	3.60	0.890	0.754	---	---	MAX
MIN	---	---	0.680	0.848	0.912	5.17	2.72	0.900	0.601	0.612	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.86
MAXIMUM DAILY, 51.2 ON MAY 22
MINIMUM DAILY, 0.601 ON SEP 19
MAXIMUM INSTANTANEOUS,
69.1 AT 03:40 MST ON JUN 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 113 56 21 W
DRAINAGE AREA, 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10 500
FEB	---	AUG	5 140
MAR	2 840	SEP	1 810
APR	2 620	OCT	1 800
MAY	47 200	NOV	---
JUN	31 000	DEC	---

TOTAL DISCHARGE, 103 000 dam³

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.759B	0.460B	0.380B	1.58	0.913	15.9	7.29	3.89	0.925	0.657	0.585	0.335B	1
2	0.661B	0.450B	0.375B	1.45	0.899	21.9	7.64	3.82	0.799	0.553	0.545	0.330B	2
3	0.628B	0.425B	0.385B	1.39	0.906	18.0	6.52	3.63	0.827	0.612	0.521	0.335B	3
4	0.661B	0.405B	0.400B	1.16	0.920	17.2	5.77	3.80	0.905	0.603	0.529	0.340B	4
5	0.759B	0.390B	0.440B	1.06	1.00	13.3	5.23	3.85	0.885	0.477	0.553	0.345B	5
6	0.857B	0.380B	0.500B	1.11	3.09	11.8	4.82	3.87	0.780	0.491	0.537	0.375B	6
7	0.787B	0.375B	0.540B	1.02	3.92	10.7	3.69	4.93	0.761	0.585	0.484	0.440B	7
8	0.738B	0.365B	0.600B	0.976	7.84	9.12	4.04	4.58	0.732	0.585	0.411	0.520B	8
9	0.668B	0.355B	0.720B	0.944	9.04	8.24	3.79	3.44	0.704	0.513	0.498	0.580B	9
10	0.640B	0.352B	0.780B	0.952	4.28	8.45	3.63	2.97	0.675	0.521	0.513	0.630B	10
11	0.610B	0.348B	0.730B	0.843	3.24	7.57	3.96	2.74	0.577	0.594	0.375	0.650B	11
12	0.598B	0.348B	0.650B	0.878	2.72	7.25	3.71	2.40	0.818	0.639	0.569	0.480B	12
13	0.568B	0.390B	0.600B	0.878	2.88	8.34	3.36	2.16	0.685	0.612	0.666	0.350B	13
14	0.562B	0.800B	0.590B	0.829	3.09	59.2	4.91	2.35	0.456	0.751	0.630	0.230B	14
15	0.538B	1.40 B	0.830B	0.871	4.10	33.1	4.07	2.27	0.498	0.498	0.639	0.210B	15
16	0.520B	1.80 B	1.06	0.864	18.9	25.0	3.72	2.13	0.456	0.513	0.639	0.205B	16
17	0.518B	2.30 B	1.13	0.871	15.0	20.9	4.21	2.04	0.513	0.648	0.560B	0.200B	17
18	0.520B	1.70 B	1.09	0.871	25.4	18.6	3.85	2.27	0.456	0.648	0.560B	0.205B	18
19	0.540B	1.55 B	0.992	0.885	36.5	15.6	3.36	2.18	0.463	0.603	0.565B	0.210B	19
20	0.555B	1.45 B	1.02	0.850	44.2	13.6	3.77	1.94	0.521	0.630	0.505B	0.215B	20
21	0.570B	1.25 B	0.829	1.04	51.7	11.9	3.63	1.80	0.484	0.594	0.430B	0.218B	21
22	0.575B	1.10 B	0.892	1.05	49.6	10.6	5.11	1.69	0.449	0.585	0.310B	0.215B	22
23	0.575B	0.900B	1.22	1.15	56.5	9.95	4.98	1.63	0.463	0.630	0.260B	0.205B	23
24	0.570B	0.800B	1.33	1.11	43.4	9.18	5.09	1.41	0.491	0.675	0.245B	0.180B	24
25	0.560B	0.640B	1.49	1.12	37.3	8.39	8.36	1.29	0.521	0.704	0.240B	0.165B	25
26	0.550B	0.540B	2.09	1.02	35.2	7.51	9.60	1.21	0.498	0.732	0.245B	0.145B	26
27	0.540B	0.450B	3.03	1.06	26.5	7.59	5.82	1.07	0.612	0.751	0.260B	0.125B	27
28	0.525B	0.400B	2.47	0.920	24.7	12.0	5.57	0.955	0.630	0.761	0.300B	0.100B	28
29	0.515B		2.20	0.944	21.1	9.37	4.96	0.865	0.621	0.603	0.325B	0.070B	29
30	0.505B		1.92	0.906	23.1	7.90	4.70	0.895	0.639	0.561	0.340B	0.060B	30
31	0.480B		1.89		16.1		4.34	0.856		0.621		0.055B	31
TOTAL	18.652	22.123	33.173	30.602	574.038	438.16	153.50	74.931	18.844	18.950	13.839	8.723	TOTAL
MEAN	0.602	0.790	1.07	1.02	18.5	14.6	4.95	2.42	0.628	0.611	0.461	0.281	MEAN
MAX	0.857	2.30	3.03	1.58	56.5	59.2	9.60	4.93	0.925	0.761	0.666	0.650	MAX
MIN	0.480	0.348	0.375	0.829	0.899	7.25	3.36	0.856	0.449	0.477	0.240	0.055	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.85
MAXIMUM DAILY, 59.2 ON JUN 14
MINIMUM DAILY, 0.055B ON DEC 31

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 01 05 N
LONG 113 42 50 W
DRAINAGE AREA, 1 160 km²

B - ICE CONDITIONS

REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 610	JUL	13 300
FEB	1 910	AUG	6 470
MAR	2 870	SEP	1 630
APR	2 640	OCT	1 640
MAY	49 600	NOV	1 200
JUN	37 900	DEC	754

TOTAL DISCHARGE, 122 000 dam³

WILLOW CREEK NEAR NOLAN - STATION NO. 05AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.10 B	2.28	0.760	19.2	9.09	4.73	1.40	0.926	---	---	1
2	---	---	2.00 B	2.06	0.704	21.8	9.16	4.48	1.41	0.819	---	---	2
3	---	---	1.92 B	2.01	0.787	20.8	8.41	4.15	1.36	0.853	---	---	3
4	---	---	1.87 B	1.70	0.860	18.0	7.11	4.17	1.32	0.825	---	---	4
5	---	---	1.85 B	1.44	1.02	15.8	6.25	4.30	1.38	0.830	---	---	5
6	---	---	1.83 B	1.37	1.20	14.0	5.91	4.75	1.43	0.805	---	---	6
7	---	---	1.81 B	1.33	3.19	12.5	5.43	4.17	1.35	0.729	---	---	7
8	---	---	1.79 B	1.25	4.33	11.3	5.00	3.83	1.20	0.696	---	---	8
9	---	---	1.77 B	1.22	8.75	10.5	4.57	3.62	1.00	0.688	---	---	9
10	---	---	1.75 B	1.13	7.69	9.97	4.25	3.67	0.866	0.719	---	---	10
11	---	---	1.60 B	1.07	5.36	9.23	4.18	3.30	0.789	0.718	---	---	11
12	---	---	1.37	1.03	4.62	9.39	4.45	3.10	0.722	0.747	---	---	12
13	---	---	1.36	1.03	4.45	9.25	4.17	3.02	0.732	0.802	---	---	13
14	---	---	1.39	1.02	4.71	33.6	4.42	2.94	0.714	0.908	---	---	14
15	---	---	1.42	0.968	6.14	47.5	5.54	3.01	0.702	0.971	---	---	15
16	---	---	1.41	0.852	25.1	32.6	4.74	3.03	0.684	0.900	---	---	16
17	---	---	1.63	0.797	24.1	27.8	4.66	2.96	0.704	0.887	---	---	17
18	---	---	1.57	0.856	22.8	24.8	5.17	2.80	0.629	0.855	---	---	18
19	---	---	1.58	0.939	33.9	22.2	4.52	2.88	0.600	0.840	---	---	19
20	---	---	1.42	1.01	40.1	19.3	4.30	2.67	0.792	0.872	---	---	20
21	---	---	0.802	1.02	57.3	16.9	4.23	2.49	0.747	0.866	---	---	21
22	---	---	0.840	0.979	57.4	14.9	4.72	2.39	0.786	0.821	---	---	22
23	---	2.88B	1.37	1.08	62.4	13.6	6.26	2.22	0.817	0.984	---	---	23
24	---	2.82B	1.54	1.21	55.8	12.5	7.00	2.09	0.882	0.914	---	---	24
25	---	2.75B	1.50	1.19	47.5	11.4	6.86	1.96	0.872	0.954	---	---	25
26	---	2.67B	1.67	1.14	40.8	10.0	11.7	1.81	0.864	1.04 A	---	---	26
27	---	2.46B	1.98	1.17	38.1	9.41	8.91	1.66	0.886	1.02 E	---	---	27
28	---	2.34B	2.86	1.08	32.0	11.7	6.78	1.45	0.948	1.00 E	---	---	28
29	---		2.62	0.962	27.5	13.2	5.78	1.32	1.03	0.980E	---	---	29
30	---		2.41	0.897	23.9	10.5	5.36	1.32	0.994	0.960E	---	---	30
31	---		2.34		21.2		5.01	1.31		0.940E		---	31
TOTAL	---	---	53.372	36.090	664.471	512.65	183.94	91.60	28.610	26.869	---	---	TOTAL
MEAN	---	---	1.72	1.20	21.4	17.1	5.93	2.95	0.954	0.867	---	---	MEAN
MAX	---	---	2.86	2.28	62.4	47.5	11.7	4.75	1.43	1.04	---	---	MAX
MIN	---	---	0.802	0.797	0.704	8.39	4.17	1.31	0.600	0.688	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.52
MAXIMUM DAILY, 62.4 ON MAY 23
MINIMUM DAILY, 0.600 ON SEP 19
MAXIMUM INSTANTANEOUS,
EB.2 AT 00:25 MST ON JUN 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 40 N
LONG 113 31 30 W
DRAINAGE AREA, 2 290 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	15 900
FEB	---	AUG	7 910
MAR	4 610	SEP	2 470
APR	3 120	OCT	2 320
MAY	57 400	NOV	---
JUN	44 300	DEC	---

TOTAL DISCHARGE, 138 000 dam³

WINAGAMI LAKE AT SPILLWAY GATES - STATION NO. 07BF006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	621.614E	621.623E	621.589	621.534	621.447	621.429E	---	---	1
2	---	---	---	---	621.614E	621.626E	621.592E	621.514	621.446E	621.430E	---	---	2
3	---	---	---	---	621.614E	621.629	621.594	621.521	621.446E	621.431E	---	---	3
4	---	---	---	---	621.614E	621.628E	621.589	621.514	621.446E	621.431	---	---	4
5	---	---	---	---	621.614E	621.627E	621.589	621.508E	621.446	621.438E	---	---	5
6	---	---	---	---	621.614E	621.626E	621.598	621.503	621.447E	621.445E	---	---	6
7	---	---	---	---	621.614E	621.623	621.596	621.505E	621.448	621.451E	---	---	7
8	---	---	---	---	621.614E	621.613	621.568	621.507E	621.440E	621.458E	---	---	8
9	---	---	---	---	621.614E	621.606E	621.578	621.508E	621.433E	621.465	---	---	9
10	---	---	---	---	621.614E	621.599E	621.574E	621.511	621.426E	621.465E	---	---	10
11	---	---	---	---	621.614E	621.593	621.570	621.497	621.419	621.466E	---	---	11
12	---	---	---	---	621.614	621.598	621.565E	621.493E	621.432	621.467E	---	---	12
13	---	---	---	---	621.609E	621.600	621.562	621.489E	621.432	621.467E	---	---	13
14	---	---	---	---	621.603E	621.612	621.560E	621.486	621.431E	621.468	---	---	14
15	---	---	---	---	621.597	621.622E	621.557	621.483E	621.430E	621.463	---	---	15
16	---	---	---	---	621.707	621.632	621.552	621.481E	621.429E	621.466E	---	---	16
17	---	---	---	---	621.684E	621.635E	621.550E	621.479E	621.428E	621.470	---	---	17
18	---	---	---	---	621.660E	621.637	621.548E	621.477E	621.427E	621.472E	---	---	18
19	---	---	---	---	621.637E	621.621	621.547E	621.475E	621.426E	621.473E	---	---	19
20	---	---	---	---	621.613	621.621E	621.546	621.473E	621.425	621.475E	---	---	20
21	---	---	---	---	621.613E	621.621	621.561	621.471	621.429E	621.477E	---	---	21
22	---	---	---	---	621.614E	621.628E	621.566	621.462E	621.433E	621.478	---	---	22
23	---	---	---	---	621.616	621.636	621.571	621.453	621.437	621.481E	---	---	23
24	---	---	---	---	621.616	621.651	621.564E	621.452E	621.436E	621.483E	---	---	24
25	---	---	---	---	621.666	621.640E	621.558E	621.451E	621.435	621.484E	---	---	25
26	---	---	---	---	621.652E	621.630E	621.552E	621.450	621.439E	621.487E	---	---	26
27	---	---	---	---	621.639E	621.620	621.545	621.447E	621.444E	621.488	---	---	27
28	---	---	---	---	621.625	621.620E	621.540E	621.445E	621.449E	621.486	---	---	28
29	---		---	---	621.625	621.620	621.535	621.443E	621.427	621.491E	---	---	29
30	---		---	---	621.620	621.604E	621.534E	621.441E	621.428E	621.496	---	---	30
31	---		---		621.621E		621.534E	621.439		621.496E		---	31
MEAN	---	---	---	---	621.625	621.621	621.564	621.481	621.435	621.467	---	---	MEAN
MAX	---	---	---	---	621.707	621.651	621.598	621.534	621.449	621.496	---	---	MAX
MIN	---	---	---	---	621.597	621.593	621.534	621.439	621.419	621.429	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 36 00 N
LONG 116 44 00 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WOLF CREEK AT HIGHWAY NO. 16 - STATION NO. 07AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.02 B	0.750B	0.650B	2.30B	3.73	17.0	1.49	4.40	1.12	0.823	1.89	0.570B	1
2	1.00 B	0.700B	0.600B	2.40B	3.84	14.7	1.54	3.21	1.29	0.623	1.91	0.560B	2
3	0.980B	0.650B	0.580B	2.50B	3.86	14.4	1.50	4.14	1.09	0.522	1.83	0.551B	3
4	0.960B	0.600B	0.570B	2.60B	3.99	14.4	1.42	3.36	0.888	0.413	1.27 B	0.510B	4
5	0.940B	0.550B	0.540B	2.75B	4.47	10.5	1.20	3.25	0.816	0.396	1.61 B	0.470B	5
6	0.920B	0.520B	0.520B	2.93B	5.67	9.05	1.19	2.99	0.692	0.590	1.49 B	0.430B	6
7	0.901B	0.500B	0.490B	3.45B	7.10	8.18	1.18	2.66	0.641	0.435	1.46 B	0.400B	7
8	0.880B	0.470B	0.480B	3.58B	20.4	7.71	1.26	1.72	0.751	0.416	1.33 B	0.370B	8
9	0.870B	0.440B	0.470B	3.71B	22.2	7.15	1.32	1.79	0.836	0.433	1.09 B	0.330B	9
10	0.850B	0.410B	0.480B	3.84B	18.8	8.63	1.61	1.36	0.901	0.449	1.09 B	0.300B	10
11	0.840B	0.480B	0.550B	3.97B	15.4	7.82	1.63	1.28	1.06	0.455	0.829B	0.280B	11
12	0.830B	0.500B	0.650B	3.82B	13.9	7.88	1.80	1.12	1.00	0.567	0.836B	0.260B	12
13	0.820B	0.520B	0.750B	3.54B	11.6	6.90	2.03	0.917	0.945	0.627	0.745B	0.240B	13
14	0.810B	0.470B	0.850B	3.39B	10.2	6.42	2.48	0.868	1.09	0.855	0.725B	0.220B	14
15	0.800B	0.480B	0.970B	3.30B	9.13	6.93	4.19	0.810	1.05	1.19	0.702B	0.200B	15
16	0.770B	0.490B	1.10 B	3.12B	8.38	6.68	4.27	0.758	1.01	0.829	0.700B	0.190B	16
17	0.740B	0.500B	1.30 B	3.62B	8.41	6.33	4.27	0.790	0.954	0.641	0.690B	0.180B	17
18	0.710B	0.510B	1.45 B	4.44B	8.18	5.98	4.19	0.745	0.992	0.669	0.680B	0.180B	18
19	0.680B	0.540B	1.55 B	4.15B	7.37	5.07	4.34	0.849	0.927	0.784	0.670B	0.180B	19
20	0.650B	0.560B	1.45 B	4.17B	6.71	4.75	4.23	0.803	1.09	0.849	0.650B	0.170B	20
21	0.630B	0.580B	1.35 B	4.56	7.24	4.36	4.19	0.758	1.09	0.964	0.620B	0.160B	21
22	0.600B	0.600B	1.25 B	3.88	8.27	3.86	4.19	0.692	1.13	1.17	0.610B	0.150B	22
23	0.630B	0.630B	1.20 B	4.25	8.10	3.52	6.57	0.302	1.08	1.28	0.610B	0.140B	23
24	0.660B	0.650B	1.15 B	4.23	10.1	2.99	6.46	0.271	1.10	1.45	0.600B	0.130B	24
25	0.700B	0.724B	1.11 B	4.15	10.1	2.73	6.49	0.251	1.05	1.84	0.590B	0.120B	25
26	0.770B	0.710B	1.30 B	4.27	11.4	2.37	4.82	0.240	1.00	1.98	0.590B	0.120B	26
27	0.810B	0.700B	1.60 B	4.25	13.2	2.33	4.91	0.567	0.982	2.03	0.580B	0.120B	27
28	0.871B	0.700B	1.70 B	4.04	10.4	2.12	4.21	0.964	0.982	2.03	0.570B	0.110B	28
29	0.870B		1.85 B	3.88	10.6	2.03	4.21	1.10	0.964	2.01	0.570B	0.110B	29
30	0.820B		2.10 B	3.62	11.7	1.94	4.25	1.08	0.901	1.94	0.560B	0.110B	30
31	0.790B		2.20 B		14.4 E		4.72	1.09		1.86		0.110B	31
TOTAL	25.122	15.934	32.810	108.71	308.85	204.73	102.16	45.135	29.422	31.120	28.097	7.971	TOTAL
MEAN	0.810	0.569	1.06	3.62	9.96	6.82	3.30	1.46	0.981	1.00	0.937	0.257	MEAN
MAX	1.02	0.750	2.20	4.56	22.2	17.0	6.57	4.40	1.29	2.03	1.91	0.570	MAX
MIN	0.600	0.410	0.470	2.30	3.73	1.94	1.18	0.240	0.641	0.396	0.560	0.110	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.58
MAXIMUM DAILY, 22.2 ON MAY 9
MINIMUM DAILY, 0.110B ON DEC 28

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 35 55 N
LONG 116 16 15 W
DRAINAGE AREA, 829 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 170	JUL	8 830
FEB	1 380	AUG	3 900
MAR	2 830	SEP	2 540
APR	9 390	OCT	2 690
MAY	26 700	NOV	2 430
JUN	17 700	DEC	689

TOTAL DISCHARGE, 81 200 dam³

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 06AB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.663	0.434	0.336	0.330	0.840E	0.356	0.498	0.393	0.123	0.017	0.001	0B	1
2	0.652	0.436	0.336	0.348	0.810E	0.363	0.484	0.371	0.097	0.011	0.001	0B	2
3	0.622	0.431	0.334	0.372	0.790E	0.335	0.477	0.390	0.096	0.011	0.001	0B	3
4	0.589	0.419	0.329	0.401	0.770E	0.312	0.443	0.389	0.093	0.009	0.001E	0B	4
5	0.572	0.421	0.335	0.427	0.750E	0.294	0.439	0.386	0.086	0.010	0.001	0B	5
6	0.588	0.421	0.350	0.420	0.730E	0.317	0.435	0.380	0.083	0.011	0.001	0B	6
7	0.621	0.422	0.349	0.443	0.710E	0.325	0.423	0.360	0.081	0.010	0.001E	0B	7
8	0.638	0.421	0.346	0.474	0.690E	0.315	0.448	0.351	0.078	0.008	0.001E	0B	8
9	0.666	0.422	0.342	0.504	0.670E	0.310	0.489	0.333	0.079	0.005	0.001E	0B	9
10	0.669	0.422	0.338	0.505	0.650E	0.299	0.489	0.313	0.062	0.004	0.001	0B	10
11	0.646	0.425	0.327	0.508	0.640E	0.297	0.491	0.302	0.059	0.003	0.001	0B	11
12	0.630	0.425	0.322	0.498	0.650E	0.288	0.531	0.274	0.053	0.003	0.001	0B	12
13	0.602	0.424	0.323	0.506	0.680E	0.276	0.543	0.255	0.050	0.002	0.001	0B	13
14	0.599	0.424	0.316	0.507	0.700E	0.269	0.584	0.253	0.046	0.003	0 B	0B	14
15	0.587	0.423	0.318	0.510	0.690E	0.250	0.638	0.227	0.046	0.002	0 B	0B	15
16	0.570	0.418	0.317	0.519	0.670E	0.268	0.628	0.225	0.042	0.002	0 B	0B	16
17	0.553	0.411	0.314	0.536	0.650E	0.263	0.615	0.225	0.034	0.001	0 B	0B	17
18	0.543	0.392	0.312	0.564	0.640E	0.270	0.640	0.210	0.037	0.002	0 B	0B	18
19	0.529	0.383	0.303	0.584	0.620E	0.264	0.630	0.214	0.033	0.001	0 B	0B	19
20	0.523	0.374	0.306	0.572	0.610E	0.286	0.621	0.201	0.025	0.001	0 B	0B	20
21	0.511	0.365	0.304	0.582	0.607A	0.467	0.562	0.179	0.026	0.001	0 B	0B	21
22	0.492	0.359	0.299	0.607	0.603	0.517	0.528	0.174	0.022	0.001	0 B	0B	22
23	0.481	0.356	0.298	0.631	0.578	0.537	0.483	0.170	0.020	0.001	0 B	0B	23
24	0.475	0.352	0.297	0.704	0.538	0.551	0.473	0.167	0.025	0.001	0 B	0B	24
25	0.464	0.350	0.297	0.880	0.504	0.598	0.457	0.164	0.022	0.001	0 B	0B	25
26	0.476	0.351	0.291	0.908	0.454	0.533	0.449	0.156	0.020	0.001	0 B	0B	26
27	0.469	0.349	0.297	0.917A	0.420	0.528	0.416	0.148	0.024	0.001	0 B	0B	27
28	0.470	0.345	0.292	0.910E	0.425	0.523	0.426	0.117	0.022	0.001	0 B	0B	28
29	0.463		0.298	0.890E	0.424	0.522	0.425	0.107	0.017	0.001	0 B	0B	29
30	0.447		0.302	0.870E	0.408	0.494	0.418	0.116	0.017	0.001	0 B	0B	30
31	0.439		0.313		0.378		0.404	0.134		0.001		0B	31
TOTAL	17.249	11.175	9.841	17.427	19.299	11.227	15.587	7.684	1.518	0.127	0.013	0	TOTAL
MEAN	0.556	0.399	0.317	0.581	0.623	0.374	0.503	0.248	0.051	0.004	0	0	MEAN
MAX	0.669	0.436	0.350	0.917	0.840	0.598	0.640	0.393	0.123	0.017	0.001	0	MAX
MIN	0.439	0.345	0.291	0.330	0.378	0.250	0.404	0.107	0.017	0.001	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.305
MAXIMUM DAILY, 0.917A ON APR 27
MINIMUM DAILY, 0B ON NOV 14

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 42 47 N
LONG 111 00 15 W
DRAINAGE AREA, 725 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 490	JUL	1 350
FEB	966	AUG	664
MAR	850	SEP	131
APR	1 510	OCT	11.0
MAY	1 670	NOV	1.12
JUN	970	DEC	0

TOTAL DISCHARGE, 9 610 dam³

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.032B	0.080	0	0	---	---	---	0.001B	---	1
2	---	---	---	0.097B	0.067	0.004	0	---	---	---	0.001B	---	2
3	---	---	---	0.094B	0.059	0	0.004	---	---	---	0.001B	---	3
4	---	---	---	0.101B	0.051	0	0.003	0	---	---	0.001B	---	4
5	---	---	0.001B	0.122B	0.044	0.007	0	---	---	---	0.001B	---	5
6	---	---	---	0.118B	0.037	0.006	0	---	---	---	0.001B	---	6
7	---	---	---	0.136B	0.040	0.004	0.001	---	---	0	0.001B	---	7
8	---	---	---	0.150B	0.049	0.001	0	---	0	0	0.001B	---	8
9	---	---	0.001B	0.146B	0.047	0	0	---	---	0	0.001B	---	9
10	---	---	0.001B	0.139B	0.044	0	0.001	0	---	0	0.001B	---	10
11	---	---	0.001B	0.129B	0.038	0	0	---	---	0	0 B	---	11
12	---	---	---	0.126B	0.041	0	0	---	---	0	0 B	---	12
13	---	---	---	0.121B	0.034	0	0	---	---	0	0 B	---	13
14	---	---	---	0.112B	0.032	0	0	---	0	0	0 B	---	14
15	---	---	---	0.099B	0.020	0.003	0	---	---	0	0 B	---	15
16	---	---	---	0.092B	0.009	0.003	0	---	---	0	0 B	---	16
17	---	---	---	0.078B	0.007	0.004	---	0	---	0	0 B	---	17
18	---	---	---	0.068B	0.007	0.004	---	---	0	0	0.001B	---	18
19	---	---	---	0.067B	0.005	0.003	---	---	---	0	---	---	19
20	---	---	---	0.082B	0.004	0.002	---	---	---	0	---	---	20
21	---	---	---	0.131B	0.004	0	---	---	0	0	---	---	21
22	---	---	---	0.139B	0.004	0	---	---	---	0.001	---	---	22
23	---	---	---	0.119B	0.006	0.002	0.002E	---	---	0.001	0 B	---	23
24	---	---	---	0.152B	0.007	0	---	0	---	0.001	---	---	24
25	---	---	---	0.168B	0.011	0	---	---	---	0.001	---	---	25
26	---	---	---	0.117B	0.009	0	---	---	---	0.001B	---	---	26
27	---	---	---	0.094B	0.021	0	0.001	---	---	0.001B	---	---	27
28	---	---	0.014B	0.061B	0.042	0.002	---	---	0	0.001B	---	---	28
29	---		0.042B	0.071B	0.013	0	---	---	---	0.001B	---	---	29
30	---		0.033B	0.077B	0.001	0	---	---	---	0.001B	---	---	30
31	---		0.030B		0		---	0		0.001B		---	31
TOTAL	---	---	---	3.238	0.833	0.045	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	0.108	0.027	0.002	---	---	---	---	---	---	MEAN
MAX	---	---	---	0.168	0.080	0.007	---	---	---	---	---	---	MAX
MIN	---	---	---	0.032	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.168B ON APR 25
MINIMUM DAILY, 0 ON MAY 31
MAXIMUM INSTANTANEOUS,
0.185 AT 22:52 MST ON APR 24

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 17 N
LONG 117 48 32 W
DRAINAGE AREA, 9.84 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	280	OCT	---
MAY	72.0	NOV	---
JUN	3.89	DEC	---

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